Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 158 No. 4 | 30 Church Street, New York 7, N. Y. | July 24, 1950

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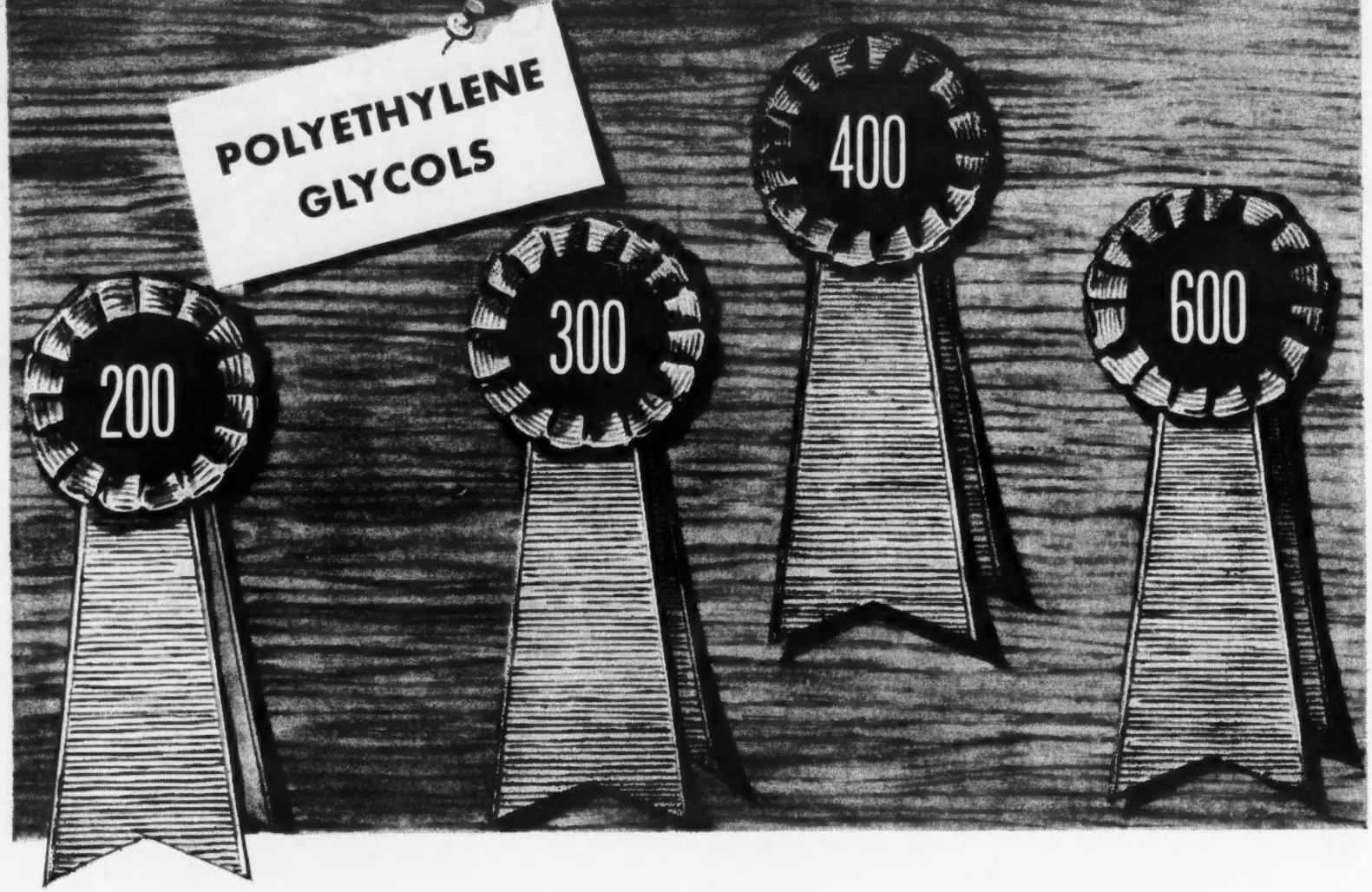

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Oil, Paint and Drug Reporter

JUL 24 '50

Volume 158 No. 4 | 30 Church Street, New York 7, N. Y. | July 24, 1950

Lakes and Toners '49 Production Down 9.8%

Total output of lakes and toners in 1949 was 36,900,000 pounds, a decrease of 9.8 percent from the 40,900,000 pounds reported for 1948, according to preliminary statistics released by the Tariff Commission.

Sales in 1949 amounted to 32,700,000 pounds, valued at $36,500,000, compared with 34,300,000 pounds, valued at $39,200,000 in 1948, a decrease of 4.6 percent in quantity and 6.9 percent in value.

Production in 1949 of lakes or lake colors amounted to 8,300,000 pounds, a decrease of 8.1 percent from the 9,000,000 pounds reported for 1948. The most important lake produced in 1949 was peacock blue (C. I. 671), 2,800,000 pounds, compared with 3,200,000 pounds in 1948. Sales of all lakes in 1949 totaled 6,900,000 pounds, valued at $4,900,000, compared with 7,000,000 pounds, valued at $4,800,000 in 1948.

The output in 1949 of full-strength colors (toners) totaled 20,400,000 pounds, a decrease of 12.8 percent from the 23,400,000 pounds reported for 1948. About 60 percent of the full-strength pigments produced in 1949 consisted of red toners (12,200,000 pounds).

Among the individual toners produced in large volume were lithol red R (C. I. 189) (4,500,000 pounds, compared with 5,600,000 pounds in 1948), toluidine red (C. I. 69) (1,900,000 pounds, compared with 3,300,000 pounds), para red, light and dark (C. I. 44) (1,400,000 pounds, compared with 2,000,000 pounds), benzidine yellow (1,300,000 pounds, compared with 900,000 pounds), and alkali blue (C. I. 704) (1,200,000 pounds, compared with 1,300,000 pounds). Sales of full-strength colors in 1949 totaled 18,800,000 pounds, valued at $25,700,000, compared with 19,500,000 pounds, valued at $28,100,000, in the previous year.

Production in 1949 of reduced or extended toners amounted to 8,200,000 pounds, a decrease of 3.5 percent from the 8,500,000 pounds reported for 1948. Sales in 1949 amounted to 7,000,000 pounds, valued at $5,900,000, compared with 7,800,000 pounds, valued at $6,300,000, in the preceding year.

Antibiotics Certification Regulations Amended

The Federal Food and Drug Administration has amended its regulations covering the certification of antibiotics to permit the packaging of aureomycin for intravenous use in containers larger than one gram in size if it is labeled for veterinary use.

The amended regulations also provide for certification of aureomycin powder that is packaged with or without other suitable and harmless ingredients; for tests and methods of assay and certification of aureomycin otic, a new preparation, and for certification of solutions of dihydrostreptomycin sulphate that contain suitable and harmless buffer substances and stabilizers.

Chemicals Use in Foods Investigating Group Named

The seven-man committee called for in the Sabath resolution (H. Res. 323) to investigate the use of chemicals in the production and processing of foods, which was passed by the house last month, has been appointed by Speaker Rayburn.

The chairman of the investigating group is Representative James J. Delaney of New York, who sponsored the resolution on the house floor for the rules committee. Other members are Thomas G. Abernethy, of Mississippi, E. H. Hedrick of West Virginia, Paul C. Jones of Missouri, Frank B. Keefe of Wisconsin, A. L. Miller of Nebraska, and Gordon L. McDonough, of California.

White on Oil Council

Joseph F. White, Cambridge, Mass., last week was appointed to membership in the National Petroleum Advisory Council by Secretary of the Interior Oscar L. Chapman. Mr. White has been prominently identified with the petroleum industry for many years. The council acts in an advisory capacity to the secretary on matters pertaining to petroleum. The next meeting of the council will be held July 25 in Washington.

Price Trend Spurts Upward

Price changes were many in the markets for chemicals, oils, and drugs last week. Reductions were almost wholly absent. So, the price levels of six of the ten major market divisions were raised, and the overall index number, increased by 1.9 points, reached its highest mark since January 6.

The only notable price reductions were a substantial cut in synthetic vitamin A salts, a reduction in superphosphate at one point, and a goodly slicing for copra. The other five materials on which reductions were made are of minor status.

Advances ranged from nonferrous metals to egg products. Tin was an up-and-downer, finishing a bit higher. Its salts were upped. Magnesium and quicksilver were advanced. One producer raised its quotation on aluminum. Zinc oxides were advanced.

Organic chemicals got many advances, Among the materials affected were butyl, ethyl, and methylamyl compounds, ethyleneglycol ethers, butyric and ethylhexoic acids, hexanol, glyoxal, and benzilidinacetone. Some of the big boosts came in corn and egg products and fats and oils, the latter group taking up also some waxes and fatty acids. The general upward movement of packing-house products carried a long dried blood and other by-products; feeder demand went up.

Botanical drugs got over on the upside, largely because of changes in domestic articles. The Oriental disturbance was reflected in nineteen advances for aromatic botanicals, against one reduction, and in a 2-to-1 upward movement in essential oils. Eugenol and menthol also were advanced.

Buying strains got a bit tighter in various areas. As is evident above, the responsive markets did the expectable thing in prices. The customarily more stable groups, heavy chemicals, for example, resisted the pressure in terms of sales as well as prices. Producers were refraining from accession to inflated demands. They had troubles enough because of production curtailments by labor troubles and shortages of raw materials. Some very critical aspects were getting close, especially in alkali-chlorine areas. The actual demand of the military program, to say nothing of the influences of fear and greed, are going to make controls necessary soon.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

July 21, 1950	July 14, 1950	Dec. 30, 1949	July 22, 1949
123.5	121.6	124.8	128.4

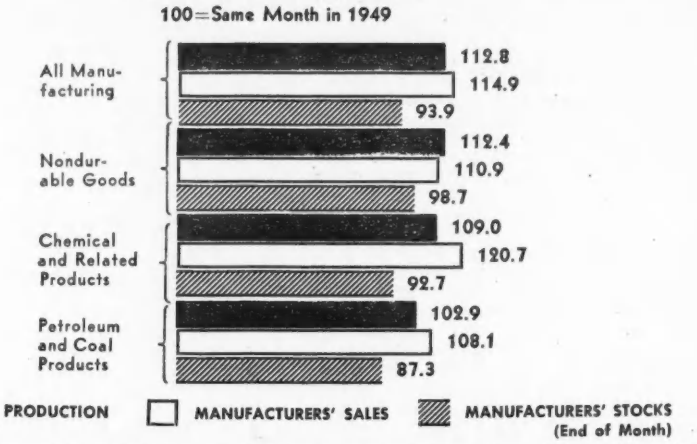
The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9

Business in May, 1950

100=Same Month in 1949



Synthetic Fuels Program Extension Voted in House

The house has voted its unanimous approval to an extension of the synthetic liquid fuels demonstration program and an increase in the ceiling on funds expended for this purpose. The bill (H. R. 8975) has gone to the senate for concurrent action.

The measure extends the life of the program three years to a total of eleven years and increases the funds available by $27,600,000 to a total of $87,600,000. Of the latest increase, $2,600,000 is earmarked for construction and equipping an experimental station at Morgantown, W. Va., for research and investigation in the mining, preparation and utilization of peat, coal, petroleum, natural gas and other minerals.

OIT Revokes Export Licenses For Goods to China Mainland

The Office of International Trade revoked all licenses for export of goods to Communist China, effective at 4 p.m., July 20. Shipments of commodities laden aboard carriers prior to that time were not affected by the action. Holders of licenses revoked by the action are required to return them to the Office of Industry and Commerce of the Department of Commerce. The revocation applies only to commodities which are on the positive list.

Greece Gets ECA Aid

The Economic Cooperation Administration last week announced the issuance of procurement authorizations to Greece for the purchase of $455,000 of nonfat milk solids and $100,000 of copper products in the United States.

Linseed Oil Allocation Program Ended in UK

The Office of Foreign Agricultural Relations has been advised that, effective July 2, the United Kingdom discontinued the system of allocating linseed oil to consumers. The program of bulk buying on government account of flaxseed and linseed oil was in no way affected by the relaxation of controls over consumption, however, and this program will continue.

Certain limitations as to trade in linseed oil, such as the regulations which prescribe the proportion of oil that may be shipped with paste paint (50 percent by weight) and the licensing of exports of linseed oil from the United Kingdom, will continue in force.

Oil brokers, processors, and direct buyers of raw linseed oil will be permitted to obtain supplies from the Ministry of Food based upon their own monthly estimates of requirements and are not limited to a share of the oil supply based upon the prewar consumption of the particular company as has been the case to the present date. Within the limits of available supply the user's estimate of requirements of raw oil will be filled on a monthly basis by the Ministry of Food.

USDA Promotes Barker

The Department of Agriculture has appointed Dr. Henry D. Barker head of the division of cotton and other fiber crops and diseases in the bureau of plant industry, soils, and agricultural engineering. He succeeds Dr. Charles R. Sayre, who resigned to become president and managing director of the Delta & Pine Land Company, Scott, Miss.

Coaltar Products 1949 Imports Up; Value Off

United States imports of coaltar products in 1949, under paragraphs 27 and 23 of the tariff act of 1930, totaled 3,700,000 pounds, valued at $779,000 (foreign value), compared with 2,000,000 pounds, valued at $1,100,000 in 1948, according to preliminary statistics released by the Tariff Commission.

In terms of quantity, Belgium, the United Kingdom, and Germany were the principal United States suppliers in 1949; small quantities came also from France, Canada, Switzerland, Australia, the Netherlands, and Italy.

In terms of value, however, Germany ranked first, followed by Belgium, the United Kingdom, Switzerland, France, and Canada, in the order named. The most important intermediates imported in 1949, in terms of quantity, were phthalic anhydride, largely from Belgium; refined naphthalene, chiefly from the United Kingdom and Belgium; anthraquinone, chiefly from Germany, and m-cresol, all from the United Kingdom.

Imports in 1949 of finished coaltar products under paragraph 28 totaled 1,400,000 pounds, valued at $2,700,000 (foreign value), compared with 1,600,000 pounds, valued at $3,500,000 in 1948 and 1,400,000 pounds, valued at $2,300,000 in 1947.

Dyes from Switzerland

In 1949, as in earlier years, dyes were by far the most important group of finished coaltar products imported and came almost entirely from Switzerland. Imports of dyes in 1949 accounted for $2,200,000, or 79.9 percent of the total value of all imports under paragraph 28, compared with $2,700,000, or 77.5 percent of the total value in 1948.

Medicinals and pharmaceuticals were the next most important group of finished products imported in 1949. They came chiefly from Switzerland, the United Kingdom, and Germany and were valued at $392,000, or 14.6 percent of the total value of imports under paragraph 28, com-

—Continued on page 65

Tar Crudes Production Declined 10.6% in 1949

United States production of all tars, coaltar, water-gas tar and oil-gas tar, in 1949 amounted to 915,000,000 gallons, a decline of 10.6 percent from the 1,022,000,000 gallons reported for 1948, according to preliminary statistics released by the Tariff Commission. The decline in production was caused by a smaller output of coke for use in steel production.

In 1949 production of benzene (except motor benzene) amounted to 133,000,000 gallons, compared with 174,000,000 gallons reported for 1948. Sales in 1949 amounted to 128,000,000 gallons, valued at $26,000,000. Production of motor benzene in 1949 was 23,000,000 gallons, an increase of 12,900,000 gallons over the production reported for 1948.

Sales of motor benzene in 1949 were 22,000,000 gallons, valued at $3,000,000, compared with 10,000,000 gallons, valued at $1,400,000, in the previous year. Production of toluene in 1949, about 59 percent of which was from petroleum sources, totaled 82,000,000 gallons, a decline of 2 percent from the output of 83,000,000 gallons in 1948. Sales of toluene in 1949 totaled 73,000,000 gallons, valued at $16,000,000.

The output of xylene in 1949, chiefly from petroleum sources, totaled 58,000,000 gallons, compared with 61,000,000 gallons in 1948. In 1949, production of naphthalene amounted to 235,000,000 pounds, a decline of 28 percent from the 328,000,000 pounds reported for 1948.

Production of creosote oil for wood preserving in 1949 was 122,000,000 gallons, or 16 percent less than the output, 145,000,000 gallons reported for 1948. Sales in 1949 totaled 119,000,000 gallons, valued at $20,000,000.

Production of road tar in 1949 increased to 141,000,000 gallons from 130,000,000 gallons produced in 1948, an increase of 9 percent. Sales in 1949 totaled 132,000,000 gallons, valued at $17,000,000. The output of tar pitches declined 31 percent in 1949 as compared with 1948, and that of tar coke declined 34 percent.

Copper Import Taxes Suspension Approved

The house has passed the Doughton bill (H. J. Res. 502) to suspend the import taxes on copper until June 30, 1951, by a record vote of 283-58. The bill, which suspends the tax retroactively to last June 30, has gone to the senate for concurrent approval. Consideration was given to the measure in the house under procedures which barred the offering of any amendments from the floor and the bill was approved without change to read as follows:—

"Resolved, that the import tax imposed under section 3425 of the internal revenue code shall not apply with respect to articles (other than copper sulphate and other than composition metal provided for in paragraph 1657 of the tariff act of 1930, as amended, which is suitable both in its composition and shape, without further refining or alloying, for processing into castings, not including as castings ingots or similar cast forms) entered for consumption or withdrawn from warehouse for consumption during the period beginning July 1, 1950, and ending with the close of June 30, 1951."

Supply Held Inadequate

Representative Doughton of North Carolina, chairman of the ways and means committee and author of the bill, explained to the house that the domestic supply of copper is only about 74 percent of the demand and even with what imports are coming in now, the supply is hardly equal to or adequate to meet the demand.

He said that there was nothing shown to the committee to indicate that the price of copper would be serious affected or that the supply would exceed demand if the suspension of the import tax is continued. He said that the price of copper has risen from 16 cents to 22½ cents per pound, the highest with one exception that it has ever been, at a time when the tax was in suspension.

Martin Led Opposition

Representative Thomas E. Martin of Iowa, who led the opposition to suspension of the tax, refused to subscribe to the argument that the price of copper has recently increased from 16 cents to 22½ cents and that that should take care of the situation. He said from April 1, 1949 to July 1, 1949, the price was pushed down from 23½ cents to 16 cents and then back up again during the past thirteen months. He charged that it was not a matter of the "lifting up of the price of copper from 16 cents, but it was a temporary and manipulated depression in the price."

Mr. Martin predicted that the suspension of the tax will have a "devastating effect on the production of copper by those mines that are marginal mines which cannot produce copper advantageously on a depressed market and in competition with foreign imports."

FDA Elevates Chemicals Section to Division Status

The Federal Food and Drug Administration has announced an organization change that elevates the old chemicals section in its division of medicine to the status of a division. Henceforth, this section will be known as the division of pharmaceutical chemistry.

Dr. Frank H. Wiley, who was chief of the section, has been named chief of the division. Officials say that the change was made necessary because of the growing importance and amount of work of the section. This is the section that does much of the analytical work of FDA and recently it has taken on the added duties of testing thermometers, adhesives and gauze bandages.

Tidelands Oil Proposal Studied by Senate Group

A resolution for the interim development and operation of the tidelands oil reserves was introduced in the senate last week by Senator Joseph O'Mahoney of Wyoming. The measure, S. J. res. 195, was referred to the interior committee, of which Senator O'Mahoney is chairman, for consideration.

Under the resolution, the Secretary of the Interior would act as a receiver to administer all of the submerged lands except those under inland navigable waters. He would receive all rents and royalties under existing leases and deposit them in a special fund pending final solution over ownership of the lands by court actions and congressional legislation.

NYQ Sales Manager

Barclay E. Mackinnon has been appointed general sales manager of the New York Quinine & Chemical Works, it was announced July 21 by Francis J. Reid, executive vice-president. He has been associated with the company since 1933 and was elected a vice-president in 1949.

Brazil Plans to Continue Thorium Exports to U.S.

Brazil will make thorium available to the United States in an emergency, regardless of the outcome of proposals for control of the Latin American country's exports of monazite sands, according to Kurt Weil, managing director of the company, which built the first plant in Brazil for extraction of the strategic fissionable material from the sand. His statement followed publication of a report that legislation was being considered in Brazil which might result in banning of monazite sands exports to the United States.

U.S. to Get Italian Zinc

Economic Cooperation Administration has approved a lire advance to an Italian mining concern for the construction of an electrolytic zinc plant at Nossa. The lire, equivalent to $1,494,180, will come from the 5 percent portion of Italian counterpart funds reserved for use by the United States for the purchase of deficiency materials and for administrative costs abroad. The funds will be repaid over a period of eleven years in deliveries of zinc or lead metals to the United States stockpile.

The new plant will exploit low-grade oxidized zinc ores of the Gorno and Oltre il Colle mines in northern Italy, which are owned and operated by Societa Per Azioni Piombo E Zinco (SAPEZ). The plant is expected to produce 10,000 tons of high-grade zinc and another 10,000 tons of sulphuric acid. This production figure includes between 3,000 and 4,000 tons of zinc now being lost in "mill tailings" and will increase the non-ferrous supply of Western Europe.

Spencer Promotes Taylor

George V. Taylor has been appointed director of sales development for Spencer Chemical Company, Kansas City, Mo. In his new post, he will have charge of advertising, agronomy and market research. Mr. Taylor has been with Spencer since 1942 and since 1947 has been director of market research.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Beverage manufacturers—Guatemala; New Zealand.

Chemical importers, dealers—Brazil; Hong Kong.

Hospitals—Venezuela.

Medicinal and toilet preparation importers, dealers—Hong Kong; manufacturers—Austria, Switzerland.

Paint and varnish importers, dealers—Ceylon, Colombia.

Photographic supply dealers and photographers—Paraguay, Venezuela.

Textile industry—Irish Republic.

Superphosphate Bids Sought by Government

The fertilizer industry was invited last week by the Department of Agriculture to submit bids for supplying about 55,000 tons of superphosphate and 35,000 tons of mixed fertilizer which will be needed this year for the farm program.

Suppliers were asked to submit their bids not later than 2 p.m. EDT, August 1, to the division of purchase, sales and traffic, Department of Agriculture, Washington 25, D. C. The invitation is No. 13-51. The department is seeking to establish sources of supply for 18, 19, or 20 percent superphosphate, and 0-14-14 and 0-20-20 grades of mixed fertilizers.

D&O Names Sperry, Dowling to New Posts

Dodge & Olcott, Inc., New York, has established two new management positions in the sales department, it was announced last week by J. F. Rudolph, president. Paul N. Sperry has been appointed sales manager and Arthur L. Dowling has

Paul N. Sperry, Charles O. Homan and Arthur L. Dowling (left to right)

been named advertising and sales promotion manager, both under the direction of Charles O. Homan, vice-president in charge of sales.

Mr. Sperry has been a member of the company's staff for twenty-one years, most of this time being spent serving customers throughout the country. At different periods he has been assigned sales territories in the southeast, northern New Jersey and New York City.

Mr. Dowling has been assistant to Mr. Homan for the past three years. His duties will include keeping the firm's customers abreast of new uses and products developed and offered by D&O. Mr. Dowling, who joined the company in 1946, also serves as assistant secretary.

Comstock Buys Polson

W. H. Comstock Company, Ltd., Brockville, Ontario, has purchased the N. C. Polson Company, Ltd., Montreal, thus linking two of the oldest pharmaceutical and proprietary medicine houses in Canada. The Comstock business was established in 1864 and Polson in 1897.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Asbestos fiber, Liverpool, England (FW-10, agency)

Drugs, Milano, Italy (FW-2, agency).

Industrial raw materials, Milano, Italy (FW-2, agency).

Oils and fats (mineral and vegetable) for soap and textile industries, Prato, Italy (FW-6).

Pharmaceutical products, Bologna, Italy (FW-1, agency); Milano, Italy (FW-3, agency); Lucca, Italy (FW-4, agency).

Tall oil, Milano, Italy (FW-5, agency).

Textile chemicals, Lucca, Italy (FW-4, agency); Milano, Italy (FW-7, agency).

Vegetable oil cake, meal, seed, Copenhagen, Denmark (FW-9, agency); cake (FW-8, agency).

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Amyl crotonyl acetate.

Lauryl biguanidine chlorhydrate.

2-Methyl-4 amino-1-naphthol hydrochloride.

Trihexyl phenidyl 3-(1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

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U.S.—Mexican Treaty Termination Analyzed

The Department of Commerce last week estimated that imports of petroleum products which might enter the country next year at the lower import tax rate of 10½ cents per barrel may reach 275,700 barrels a day or a total of 100,630,500 barrels for the year.

In an analysis of the effects of the termination next December 31 of the trade agreement between the United States and Mexico, the department said that the amount brought in at this rate would constitute about 36 percent of the total imports, when measured against the rate of imports for the first four months of this year. From January through April, imports have averaged 758,627 barrels daily.

The department arrived at its overall estimate of the probable imports at the lower rate on the basis of the Bureau of Mines, June 1, forecast of the 1950 crude runs to stills, which was 5,514,000 barrels a day or a total of 2,012,610,000 barrels for the year. Under the terms of the Venezuelan trade agreement, which comes back into force with the termination of the Mexican agreement, imports of crude oil, distillate fuel oil, residual fuel oil, and topped crude which do not exceed 5 percent of the crude petroleum processed at in refineries during the preceding calendar year may enter the United States at the lower import tax of 10½ cents per barrel, while imports in excess of that amount shall pay the full tax of 21 cents per barrel.

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'Trust' Laws Tightening Bill Passed by House

Actual damages suffered by the federal government from violations of the antitrust laws would be recoverable under the terms of a bill (H.R. 8763) passed by the house. The bill also provides for a six-year statute of limitations for private suits for triple damages under the antitrust laws and now goes to the senate for concurrent approval.

Under decisions of the Supreme Court of the United States, the federal government is barred from bringing suit for damages suffered at the hands of antitrust laws violators by the definition of the term "person" as used in both the Clayton and Sherman acts. As a result, the only redress for the government is to seek penalties from the violators, which seldom measure up to the damages suffered by the government as a result of collusive bidding, and other forms of antitrust violations.

The uniform six-year statute of limitations for treble damage suits by private interests will take the place of the present rule, which bases the time period within which such suits may be filed upon the statutes of the states within which the offense occurred. At the present time there is great confusion in the time periods. In some states the statute of limitations has been deemed to be one year, which is insufficient a time within which to bring a very difficult triple damage case. At the other extreme, the statute of limitation in Georgia runs for twenty years.

The bill is the outgrowth of the monopoly investigations of the house judiciary committee. No opposition was raised against it in the house, but whether it will receive action in the senate this year is problematical. Because of the great desire of the leadership to end the present session around July 31, no antitrust legislation has been placed on the schedule.

Antimerger Bill Shelved

The so-called antimerger bill (H.R. 2734) has been shelved for the session. Senator Majority Leader Scott Lucas so informed one of his constituents recently, because there would not be time to consider it before the session ended. This is contingent, however, he said, upon the senate limiting its labors between now and the end of the session to the most urgent measures. Of course, if the session is prolonged, and the calendar is opened up to other measures generally, then consideration might be given to the bill.

TGA Studying Industry's Role Should War Develop

A special committee of the Toilet Goods Association, appointed about three years ago to study the most effective use of the industry's facilities should another national emergency arise, has stepped up its activities as a direct result of the action in Korea.

In a questionnaire sent July 20 to the industry as a whole, the association sought to learn exactly what role each individual company could perform should the international situation worsen. The questionnaire dealt primarily with activities of each company during World War II.

On behalf of the committee, Stanwood Morrill, its chairman, and Stephen L. Mayham, TGA executive vice-president, have kept in close touch with the National Security Resources Board in the past. Until the appointment of Stuart Symington as chairman of the board, little effective work was done. Since he took over, however, and particularly since the development of the situation in Korea, closer contact has been established.

Furfural Used as Solvent In New Texas Co. Plant

The Texas Company last week announced use of the first commercial extraction unit using furfural as the solvent for producing Diesel and home heating fuels. It is being used at the company's new $60,000,000 refinery at Eagle Point, N. J. Basic value of the new application of the process is said to be improvement of cetane number in Diesel fuels, better burning quality in domestic heating fuels and reduction in sulphur content of all products.

Ford Joins Spencer

Harold A. Ford has been appointed industrial sales representative for Spencer Chemical Company, Kansas City, Mo. He was formerly associated with the purchasing department of E. I. du Pont de Nemours & Co., Wilmington, Del., which he joined in 1939.

Washington Talks It Over

By Ralph L. Cherry

The type of distribution control that may be imposed on the chemical industry under the partial mobilization program for the Korean conflict will be similar to the M-300 distribution control order that governed the industry during the latter half of the last war. NSRB has been working on such a program of control for a long time, in conferences with chemical industry people, and this type of control seems to be most favored.

It will be remembered that, during the war, M-300 followed the general pattern of all the M orders, with the exception that it was a little more flexible, and chemical products were moved under or out from distribution control as supply conditions warranted and military needs dictated. The M orders, often called allocation orders, controlled both the use and the distribution of critical materials. In all the M orders it was provided that the available supply of the material involved must, in a broad sense, be reserved to meet war orders first.

M-300, like many of the other orders, provided that monthly shipping schedules of producers had to be submitted for approval or revision. The allocation in such cases was thus made on the basis of monthly proposed shipments. There were small-order exemptions of varying amounts, depending upon the availability of supplies of the material.

Liability to War Service

It is considered good advice to plant managers to begin looking into the status of their key workers who were in the last war to determine for themselves whether there is a possibility that those men may be called back into service. It may be that consideration will have to be given to replacements, and preparation should be made for doing so.

It should be understood that there are some persons who served in the last war who would be subject to recall without special legislation while for others it will take an act of congress. Here is a quick review of the situation generally:—

Any officer in the reserves, whether he is active or inactive, is subject to recall without special legislation. The same is true of former enlisted men who joined the reserves after they were discharged. In general, all commissioned officers in the navy automatically went into the reserves.

For those A.U.S. officers who did not join the reserves when they left the service, special attention must be given to the type of orders that they received when they were commissioned into the army. If their orders read, "for the period of the emergency and six months thereafter," they cannot be recalled without special legislation. This is because congress declared an end to the emergency in 1919. If their orders say "for the duration of the war and six months thereafter," they are subject to recall without special legislation. The bulk of the officers fall within this group.

Ammonium Nitrate Hampered

The strange rule that curbs the handling of ammonium nitrate at any port in the United States, with the possible exception of two, but at the same time gives complete freedom to the movement of this material around the country is now working against the aims of ERP to increase Europe's dollar exchange.

Ever since the Texas City disaster, the Coast Guard has maintained a strict prohibition over this material at any port. It doesn't make any difference that ICC allows it to be shipped with comparative freedom within the country, the Coast Guard, which says what explosives can be loaded or unloaded at any port, says that ammonium nitrate is not one of them.

Where this rule rubs against ERP is in the fact that the Dutch have some fertilizer material, containing some ammonium nitrate, which they would like to sell to this country. There are about 20,000 tons of the stuff, and ready buyers, but because it does contain ammonium nitrate, CG says "No"—at least until the Bureau of Standards says it isn't particularly dangerous and can be handled with reasonable safety.

Alcohol for Rubber

While responsibile government quarters have yet shown no visible signs of activity in this direction, there is some agitation from outside sources—mostly political—for making use of one or more of the government's huge wartime grain alcohol plants in the expanded synthetic rubber program. So far the government is relying solely on petroleum as its source of butadiene and avoiding alcohol because of its costs.

During the war, alcohol was the primary source material, but this was because petroleum was so urgently needed for other purposes. Cost of production was not a factor, because we had to have the rubber at any cost. It is being suggested now, however, that the costs of making synthetic rubber from alcohol will be far cheaper than during the war because, instead of using grain to make alcohol, the government could use its huge stocks of surplus potatoes, which it can't even give away.

The government built three huge plants during the war to make alcohol from grain, one located at Omaha, Neb., one at Kansas City, Mo., and the third at Muscatine, Iowa. The Omaha plant is capable of producing 22,750,000 gallons of alcohol a year; the Kansas City plant, 15,000,000 gallons, and the Muscatine plant, 10,200,000 gallons. The total cost of the plants was $13,664,000. They are now idle.

DDT Balks Termites

Department of Agriculture entomologists are recommending a new use for DDT. They report that a single treatment of DDT gives complete termite protection to wood in contact with soil for at least five years; hence DDT is one of the best protectors against the "eatin' ants".

Experiments conducted for many years by the entomologists indicate that 5 percent DDT in No. 2 fuel oil gives a satisfactory answer to the age-old insect problem. The insecticide is applied to soil surrounding wooden structures needing protection at the rate of 1 quart per cubic-foot of soil.

Hundreds of chemicals are under test in the laboratories of the Bureau of Entomology and Plant Quarantine to find the cheapest, safest, and most effective

—Continued on page 30

Evans Chemetics Vice-Pres.

R. A. Kramer has been elected vice-president in charge of sales of Evans Chemetics, Inc., it was announced last week. Mr. Kramer has been sales manager of the company for the past nine years.

Phillips to Operate U.S. Copolymer Plant in Texas

Phillips Chemical Company, Bartlesville, Okla., will take over operation of the government-owned copolymer synthetic rubber plant near Borger, Tex., according to announcement by K. S. Adams, president of Phillips Petroleum Company.

The transfer of operations to Phillips marks the first integrated manufacture of synthetic rubber through all stages from the production of new materials to the finished product. Phillips Chemical already operates the adjoining Plains butadiene plant, which Phillips designed and built for the government during World War II. This plant now produces more than 50,000 tons of butadiene yearly.

Terramycin Accepted by AMA

Operating with exceptional speed on the approval of a new drug, the American Medical Association has announced its acceptance of terramycin, according to John E. McKeen, president of Chas. Pfizer & Co., Brooklyn, N. Y. AMA acceptance came through its council on pharmacy and chemistry less than six months after formal announcement of the new earth-mold drug.

Patent Laws Revision Plan Eased in House

The house judiciary subcommittee that has been working for over six months on a major overhauling of the patent laws has tentatively agreed to drop most all of the controversial changes proposed to be made in the law, it was revealed last week, with the introduction of the latest draft of the proposed legislation in the house by Representative Joseph R. Bryson of South Carolina.

The new bill, which carries the number of H.R. 9133, is understood to represent the latest agreements of the various parties that have been working with the subcommittee on the legislation and has been introduced at this time for the purpose of seeking further comments from industries mostly concerned. No effort will be made to pass it this year, but next session may see active consideration given to it.

Both the drug and chemical industries have been greatly concerned with the legislation and through their special committees on patent laws they have participated in the studies and the recommendations that were made to the subcommittee leading to the drafting of the present bill.

Controversial Sections

There were three principal controversial sections contained in the draft of the bill as it was first proposed last January. These had to do with the conditions which an owner of a patent could impose when licensing someone to use the patent; the recording of patent license agreements in the patent office, and compulsory licensing of patents under certain conditions.

Each of the proposals sought to carry out suggestions that have been made in recent years, largely as a result of investigations by congressional committees on the misuse of patents. But such a great amount of protest and criticism has been voiced against these sections that they were dropped from the latest draft of the bill.

The drug industry was particularly concerned over the compulsory licensing provisions because they specifically provided for compulsory licensing of patents considered necessary for public health or public safety. This section of the bill also would have required the licensing of patents which were considered by the Patent Commissioner as being purposely withheld from the public or was not being used to an extent adequate to meet demand.

One change made in the bill will have an important broadening effect on the patentability of inventions, which will be of great interest to the chemical and drug industries. This was to define the term "art" to include a "new use of a known material." The effect of this is to permit patents to be obtained on a new use for a known material.

Pennsalt to Increase BHC Production 45% at Natrona

The Pennsylvania Salt Manufacturing Company, Philadelphia, is expanding production of its benzene hexachloride by approximately 45 percent at its plant at Natrona, near Pittsburgh, according to George B. Beitzel, president. Work on the new facilities has been started, said Mr. Beitzel, and the increased production will be available by the end of this year.

At the same time, Mr. Beitzel announced that appropriations slightly in excess of $1,000,000 have been made for other expansion and improvements to existing facilities at Pennsalt plants in Wyandotte, Mich., Calvert City, Ky., and Natrona and Cornwells Heights, Pa.

The new benzene hexachloride facilities at Natrona will be entirely for the production of Pennsalt's technical BHC, which contains 36 percent gamma isomer. This product is sold under the trade name of "Penco BHC Technical 36" to other insecticide formulators and is used as the basic material in Pennsalt's "Penco" line of BHC insecticides. These include wettable and dust base products containing 12 percent gamma isomer, an emulsion concentrate containing 11 percent, combinations of BHC and DDT for cotton insects and several other special formulations for cotton insects, some of which are formulated at the company's Bryan, Tex., plant.

Ethylene Trithiocarbonate Offered by Stauffer Chemical

Stauffer Chemical Company, New York, is now making available ethylene trithiocarbonate, a bright yellow to brown crystalline solid. Among other uses, it is suggested as an intermediate in the manufacture of organic chemicals, in the vulcanization of rubber, as a flotation agent, a sulphur solvent and as an ingredient of extreme pressure lubricants.

Quality Means More than Price

Some chemical buyers make the mistake of considering price alone, forgetting other essentials such as quality, service, and product improvement.

Innis, Speiden offers you chemicals, gums and waxes at current market prices. In addition, Isco provides, at no extra cost, quality and service . . . These Isco extras actually mean lower costs to you through improved production.

When buying chemicals, gums or waxes, let an ISCO representative explain the advantages of ISCO-operation. Remember, in purchasing, it's wise to look for more than a bargain basement . . . You get more when you buy from ISCO.

FERRIC CHLORIDE
60%, Lump
–•–
CHLORIDE OF LIME
30-35%
–•–
SILICA
Soft, Decomposed, Mesh to 325
–•–
TALC
Cosmetic, Ceramic, Paint & Textile Grades
–•–
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–•–
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Mineral Earth Pigments Output Decreased in '49

Natural mineral earth pigments and manufactured iron-oxide pigments sold by processors in the United States totaled 89,628 short tons, valued at $10,352,914, in 1949, compared with 111,317 short tons, valued at $10,957,422 in the preceding year, according to the Bureau of Mines.

Production of pigments, in short tons, by kinds, in 1949, as compared with 1948, was reported by the bureau as follows:—

	1949	1948
Mineral blacks	2,009	14,383
Magnetic blacks, precipitated	1,415	1,585
Natural brown oxides	4,902	5,802
Vandyke brown, finished	106	158
Pure browns, 96% or better iron oxides	958	910
Natural red oxides	18,082	20,902
Pure red oxides, 98% or better Fe_2O_3	15,918	17,345
Venetian reds	4,598	5,361
Pyrite cinder	1,637	1,697
Other red iron oxides	16,091	15,104
Natural yellow oxides (high FE_2O_3)	5,149	*
Pure yellows (85% or better FE_2O_3)	8,989	9,734
Ochres (low FE_2O_3)	3,989	6,769
Siennas:		
Burnt	751	973
Not burnt	1,160	1,072
Umbers:		
Burnt	2,481	3,085
Not burnt	629	711
Others	795	5,636
Total	89,628	111,317

* Included with "Other."

Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Association of Textile Chemists and Colorists, Portsmouth, N H., September 28-30.

American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington, D. C., September 18-22.

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Gas Association, Atlantic City, October 2-6.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.

American Oil Chemists Society, Sir Francis Drake hotel, San Francisco, September 26-28.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16.

American Pharmaceutical Manufacturers' Association, Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Soybean Association, Springfield armory, Springfield, Ill., August 28-30.

Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5.

Congress of the International Union of Leather Chemists Societies, London, September 10-13, 1951.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23.

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25.

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11.

National Association of Retail Druggists, Long Beach, Calif., October 15-21.

National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19.

National Chemical Exposition, Coliseum, Chicago, September 5-9.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Safety Congress, Chicago, October 18-20.

National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.

Pharmaceutical Council of Greater New York, drug show and exhibit, Statler hotel, New York, September 25-27.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20.

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 13; annual meeting, Commodore hotel, New York, December 13.

Uses and Applications of Chemicals

("Where You Can Sell")

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3-Amino-8-chloroacridin

Disinfectant—Bactericide for *Staphylococci aureus* (reported more efficaceous than proflavin).

Beta-beta'-dicarbomethoxydiethyl Cyanamide

Pesticide—Claimed (US 2249134) useful as insecticide.

Betaethoxylethyl Salicylate Phenylethylether

Adhesives—Plasticizer US 2128901, 2128902, and 2128975) in adhesive compositions containing cellulose derivatives.

Ceramic—Plasticizer (US 2128901, 2128902, and 2128975) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating ceramic articles.

Chemical—Intermediate (US 2128901, 2128902, and 2128975) in making pharmaceutical chemicals.

Plasticizer (US 2128901, 2128902, and 2128975) for cellulose derivatives.

Cosmetic—Plasticizer (US 2128901, 2128902, and 2128975) in nail enamels and lacquers containing cellulose derivatives as base material.

Electrical—Plasticizer (US 2128901, 2128902, and 2128975) in insulating compositions, containing cellulose derivatives, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (US 2128901, 2128902, and 2128975) in compositions, containing cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer (US 2128901, 2128902, and 2128975) in compositions, containing cellulose derivatives, used in the manufacture of artificial leather and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer (US 2128901, 2128902, and 2128975) in coating compositions, containing cellulose derivatives, used for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (US 2128901, 2128902, and 2128975) in coating compositions, containing cellulose derivatives, used for protecting and decorating various kinds of articles.

Paint, Varnish, and Lacquer—Plasticizer (US 2128901, 2128902, and 2128975) in lacquers and dopes containing cellulose derivatives.

Paper—Plasticizer (US 2128901, 2128902, and 2128975) in compositions, containing cellulose derivatives, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic—Plasticizer (US 2128901, 2128902, and 2128975) in making films from cellulose derivatives.

Plastics—Plasticizer (US 2128901, 2128902, and 2128975) in making laminated-fiber and molded articles, also plastic materials from or containing cellulose derivatives.

Rubber—Plasticizer (US 2128901, 2128902, and 2128975) in coating compositions, containing cellulose derivatives, used for protecting and decorating rubber goods.

Stone—Plasticizer (US 2128901, 2128902, and 2128975) in coating compositions, containing cellulose derivatives, used for decorating and protecting artificial and natural stone.

Textile—Plasticizer (US 2128901, 2128902, and 2128975) in compositions, containing cellulose derivatives, used in the manufacture of coated fabrics.

Wood—Plasticizer (US 2128901, 2128902, and 2128975) in compositions, containing cellulose derivatives, used as protective and decorative coatings on woodwork.

Beta-(2-chlorophenoxy)ethanol Methacrylate

Ceramic—Plasticizer (US 2362189) in coating compositions, containing cellulose derivatives or vinyl resins, used for protecting and decorating ceramic articles.

Chemical—Plasticizer (US 2362189) for cellulose derivatives.

Electrical—Plasticizer (US 2362189) in insulating compositions, containing vinyl resins or cellulose derivatives, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (US 2362189) in compositions, containing vinyl resins or cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer (US 2362189) in compositions, containing vinyl resins or cellulose derivatives, used in the manufacture of artificial leather and as coatings for protecting and decorating leather and leather goods.

Metal-Fabricating—Plasticizer (US 2362189) in coating compositions, containing vinyl resins or cellulose derivatives, used for protecting and decorating metallic articles.

Paint, Varnish, and Lacquer—Plasticizer (US 2362189) in paints, varnishes, lacquers, enamels, and dopes containing cellulose derivatives or vinyl resins.

Paper—Plasticizer (US 2362189) in compositions, containing vinyl resins or cellulose derivatives, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Plastics—Plasticizer (US 2362189) in making laminated-fiber and molded articles, also plastic materials from or containing cellulose derivatives or vinyl resins.

Resin — Plasticizer (US 2362189) for vinyl resins.

Rubber — Plasticizer (US 2362189) in coating compositions, containing cellulose derivatives, used for protecting and decorating rubber goods.

Stone—Plasticizer (US 2362189) in coating compositions, containing vinyl resins or cellulose derivatives, used for decorating and protecting artificial and natural stone.

Textile — Plasticizer (US 2362189) in compositions, containing vinyl resins or cellulose derivatives, used in the manufacture of coated fabrics.

Wood—Plasticizer (US 2362189) in compositions, containing vinyl resins or cellulose derivatives, used as protective and decorative coatings on woodwork.

Bornyl Hydroxyisobutyrate

Ceramic—Solvent (US 2348710) in coating compositions used for decorating and protecting ceramic articles.

Electrical—Solvent (US 2348710) in insulating compositions used for covering wire and in making electrical machinery and equipment.

Glass—Solvent (US 2348710) in compositions used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Solvent (US 2348710) in compositions used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Solvent (US 2348710) in coating compositions used for protecting and decorating metallic articles.

Miscellaneous—Solvent (US 2348710) in coating compositions used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Solvent (US 2348710) in paints, varnishes, lacquers, enamels, and dopes.

Paper—Solvent (US 2348710) in compositions used in the manufacture of coated papers and as protective and decorative coatings for articles made of paper and pulp.

Plastics—Solvent (US 2348710) in making laminated-fiber and molded articles, also plastic materials.

Rubber—Solvent (US 2348710) in compositions used as coatings for decorating and protecting rubber goods.

Stone—Solvent (US 2348710) in coating compositions used for decorating and protecting artificial and natural stone.

Textile—Solvent (US 2348710) in compositions used in the manufacture of coated fabrics.

Wood—Solvent (US 2348710) in liquid compositions used as protective and decorative coatings on woodwork, and in plastic compositions used for many filling and repairing purposes on wood.

Chlorinated Tricresyl Phosphate

Resin—Starting point (US 2298866) in making flame-resistant resins by reacting with a phenol and condensing the product with an aldehyde.

Diammonium Methylphosphate

Textile—Flameproofing agent (Brit. 575-903) for textile (claimed to give a superior, softer handle).

Di-tertiary-butyl Diperphthalate

Plastics—Catalyst in polymerizations.
Rubber—Catalyst in polymerizations.

Flax Committee States 60 Percent of Crop Late

Although 60 percent of the flax crop is extremely late, members of the Flax Development Committee are still optimistic about the 1950 crop. This was their general opinion after inspecting flax fields in southern and western Minnesota and eastern South Dakota on the committee's recent annual junket.

Estimates of bushels for harvest ranged from 28,300,000 to 32,100,000 bracketing the government's July 1 estimate of 29,338,000 bushels. "The present condition of the crop and its extreme lateness hardly justify this optimism," in the opinion of E. J. Mitchell, executive secretary of the committee.

In addition to examining hundreds of fields, the group also visited Minnesota experiment stations located at Rosemount and Waseca. Farmers, county agents and local grain dealers were interviewed to gain information on growing practices and farm thinking likely to affect 1950 and future flax production.

Before starting the trip, the committee voted to continue its advertising and public relations program. It was felt that such a step would do much to stabilize flax production at an adequate level without the need for costly government subsidies. They also approved a broad research program relative to other crops and their influence on flax yields. On the tour were:—

T. L. Daniels, Archer-Daniels-Midland Company; Valentine Wurtele, Minnesota Paints, Inc.; E. H. Russell, Minnesota Linseed Oil Company; A. F. Hodek, Pittsburgh Plate Glass Company; Dave Dangler, Sherwin-Williams Co., and John MacKay, Spencer Kellogg & Sons, all of Minneapolis.

S. B. Coolidge, jr., Sherwin-Williams Co., Cleveland; J. A. Johansen and J. G. C. McNair, National Lead Company, New York, R. B. Jude, Spencer Kellogg & Sons, Buffalo, N. Y.; Willard C. Lighter, Falk & Co., Philadelphia; L. F. Dixon, Central Fibre Corporation, Pisgah Forest, N. C.; Allen P. Allensworth, market reporter, Chicago, and Dr. W. W. Brookins, full-time agronomist for the committee.

Nitrogen Solutions Plant To Be Erected by CSC

Commercial Solvents Corporation will construct a $1,000,000 addition to its ammonia plant at Sterlington, La., to produce nitrogen solutions, it was announced last week by J. Albert Woods, president. The new unit will be located on the site of the present Sterlington plant, which makes anhydrous ammonia from natural gas. It is expected to be in operation the first part of next year.

The Sterlington plant, constructed for the government during the war by Commercial Solvents, was purchased for $6,000,000 in 1946. A large amount of the anhydrous ammonia production is being used for direct application to the soil, principally in Louisiana and Mississippi.

Smoke Control Regulations To Be Tightened by N.Y.

A new set of rules to govern smoke pollution in New York City has been drafted by the board of smoke control. Public hearings will be held August 3 and 4 and the rules probably will be promulgated shortly thereafter.

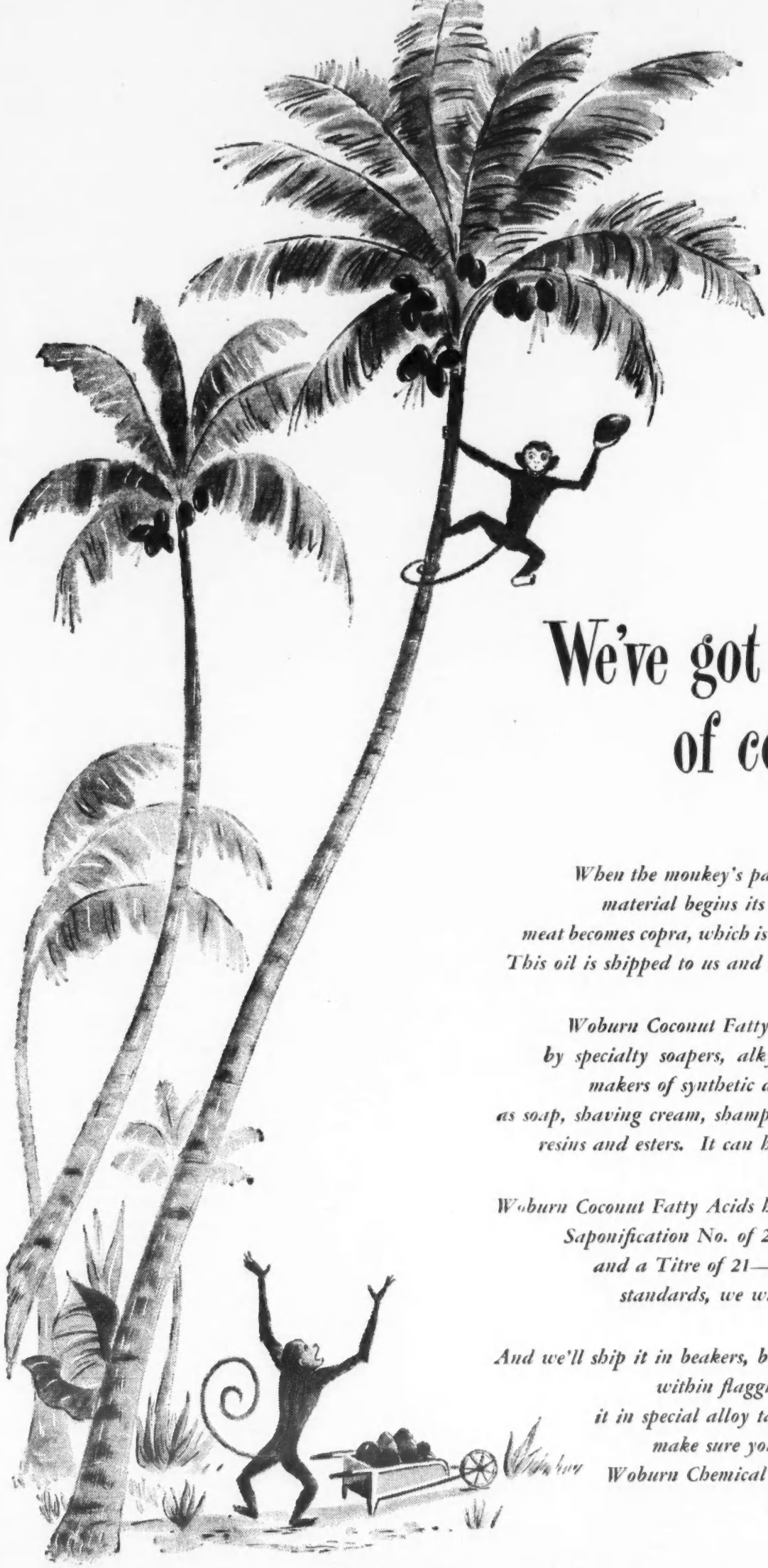
The new rules embody greater control of fuels to regulate the sulphur content of smoke, reducing its damaging power. The board proposes to determine the volatile content of all fuel used in the city and see that it does not contain more than 2 percent of sulphur by weight.

Propane Gas Unit Put On Stream by Sinclair

Sinclair Refining Company has completed and placed on stream a new unit for the production of liquefied propane gas in its Marcus Hook refinery. The new unit has a capacity of 1,100 barrels daily and is producing a dry, low olefinic product. Shipments are being made daily by tankcar and truck to New York, New Jersey, Pennsylvania, the New England states and Canada.

Standard-Vacuum Elects Bourne Vice-President

A. W. Bourne, jr., a director of Standard-Vacuum Oil Company for the past three years, has been elected a vice-president of the company. He has been active in the international oil business for nearly thirty-five years.



We've got a lovely bunch of coconuts...

When the monkey's paw wrenches free the coconut, the raw material begins its long journey to our plant. The coconut meat becomes copra, which is then crushed to extract coconut oil. This oil is shipped to us and we turn it into Coconut Fatty Acids.

Woburn Coconut Fatty Acids are used to good advantage by specialty soapers, alkyd resin manufacturers and makers of synthetic detergents. It improves such products as soap, shaving cream, shampoo, rubber, wetting agents and alkyd resins and esters. It can help improve your product, too.

Woburn Coconut Fatty Acids have an Acid No. of 260—270; Saponification No. of 263—274; an Iodine No. of 9—15 and a Titre of 21—25. If you require special standards, we will produce them to your order.

And we'll ship it in beakers, batches, barrels . . . or if you're within flagging distance of a highway, you can get it in special alloy tank trucks. Any way you get it, make sure you get Woburn Coconut Fatty Acids.

Woburn Chemical Corp. (N. J.) 1200 Harrison Avenue, Kearney, New Jersey

Current Market Quotations

Chemicals and Related Materials

July 21, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb. .40 - —
above 92.5 C. m.p. dms., works, lb. .50 - —
Acetaldehyde, 99%, dms., c.l., frt. equald lb. .11½- —
l.c.l., frt. equald lb. .12 - .12½
tanks, frt. equald lb. .09½- —
Acetaldol (see Aldol)
Acetamide, tech., fib., dms lb. .45 - —
Acetanilide, tech. bbls., c.l., dlvd or frt. equald. lb. .22 - —
l.c.l., ton lots lb. .23 - —
smaller lots lb. .26 - —
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride dms., c.l., frt. alld. E lb. .13 - —
l.c.l., frt alld. E lb. .14½- —
tanks, frt. alld. E lb. .11½- —
Acetoacetanilide, bbls., dlvd lb. .67½- —
fib. dms., c.l., dlvd lb. .68½- —
l.c.l., dlvd lb. .69½- —
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb. 1.75 - —
Acetoacetorthochloranilide, bbls., dlvd lb. 1.15 - —
fib. dms., c.l., dlvd lb. 1.14 - —
l.c.l., dlvd lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .72½- —
fib. dms., c.l., dlvd lb. .73½- —
l.c.l., dlvd lb. .74½- —
Acetone, CP, dms., c.l., dlvd lb. .09¼- —
l.c.l., dlvd lb. .10 - —
tanks, dlvd lb. .07½- —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .42 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.33
Acetophenone, ens., dms lb. 1.30 - 1.65
tech., l.c.l., dms., works lb. .75 - —
Acetoacetoparaphenetidide, dms., 500 lbs. or more, works, lb. 1.65 - —
smaller lots same basis lb 1.90 - —
Acetyltributyl citrate, dms. lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms. lb. .36 - .38
smaller pkgs. lb. .41 - .47
Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145 - —
cryst., dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - .06¼
Acetic, com'l or redist., 28%, bbls 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.10 - —
70%, bbls 100 lbs. 8.10 - —
80%, bbls 100 lbs. 8.75 - —
glacial, synthetic, CP, dms., works 100 lbs. 13.00 - —
cbys., works 100 lbs. 13.00 - 22.00
USP, cbys., works 100 lbs. 13.50 - 17.50
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
l.c.l., works 100 lbs. 9.50 - 10.00
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (60 mesh), bbls. same basis, lb. .50 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms., lb. .49 —
smaller lots, dms lb. .49½- .54½
Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.10 - —
Arsenous (tech (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic, USP, dms. 500-kilo lots kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27.47 - —
Battery, cbys., c.l., E. works 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —
Benzoic, tech. bbls. dms., 100 lbs. or more lb. .43 - —
USP, bbls. dms., 100 lbs up lb. .54 - —
Betahydroxynaphthoic bbls., works lb. 1.23 - —
Boric, tech. 99½%, cryst., bgs., c.l., works ton. 115.23 - —
ton lots ex whse, N. Y. or Chi. ton. 160.00 - —
less ton lots, same basis, ton. 165.00 - —
bbls., c.l., works ton. 135.23 - —
ton lots ex whse., N. Y. or Chi. ton. 180.00 - —
less ton lots, same basis, ton. 185.00 - —
bulk, c.l., works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 135.00 - —
less ton lots, same basis, ton. 140.00 - —
bbls, c.l., works ton. 110.23 - —
ton lots, ex whse., N. Y. or Chi. ton. 155.00 - —
less ton lots, same basis, ton. 160.00 - —
Boric, tech., 99½%, dms., c.l., works ton. 56.73 - —
powd., bgs., c.l., works ton. 95.23 - —
ton lots, ex whse., N. Y. or Chi ton. 140.00 - —
less ton lots, same basis ton. 145.00 - —
bbls., c.l. works ton. 115.23 - —
ton lots, ex whse., N. Y. or Chi ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bulk c.l., works ton. 91.75 - —
USP $25 per ton higher.
Broenner's, bbls lb. 1.34 - —
Butyric, 99%, dms, c.l. works lb. .36½- —
l.c.l., works lb. .37 - —
tankcars, works lb. .35 - —
Cacodylic, bots. lb. 10.00 - 11.00
Camphoric, natural, dms lb. 5.00 - 5.63
synth., dms lb. 4.00 - 4.75
Capric, 70%, dms lb. .27½- .28½
Caprylic, 65%, dms lb. .49¼- .50
Castor oil, split, dms lb. .27 - .27½
Chlorosulphonic, dms., c.l., works, lb. .03¼- —
l.c.l., works lb. 03¾- —
tanks, works lb. .02¾- —
Chromic, 99½-99¾%, dms., c.l. works lb. .25½- —
l.c.l., works lb. .26 - .27
USP (see Chromium trioxide).
Cinnamic, refd., bots lb. 2.50 - 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs., 1 ship't. lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bls lb. .72 - —
Coconut oil, dist., dms lb. .24½- .25¾
double dist., dms lb. .26½- .27¾
Cottonseed oil, dist., dms lb. .13 - .14¼
double dist., dms lb. .13½- .14¾
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald gal. .81 - 96
l.c.l., non ret. dms., same basis gal. .84 - .99
ret. dms., c.l., same basis gal. .78 - —
l.c.l. same basis gal. .81 - —
Acid, cresylic, dom., coaltar, 50% above 207°C, tanks, same basis gal. .70 - .85
204° to 207° C, non-ret. dms., c.l., same basis gal. .91 - .96
l.c.l., same basis gal. .94 - .99
ret. dms., c.l., same basis gal. .88 - —
l.c.l., same basis gal. .91 - —
tanks, same basis gal. .80 - .85
petroleum, 179°C to 198°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .67½- —
l.c.l., same basis gal. .69½- .71½
tanks, same basis gal. .57 - —
195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .55½- —
l.c.l., same basis gal. .57½- .59½
tanks, same basis gal. .45 - —
200°C to 222°C, tanks, Wilmington, Cal gal. .40½- —
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½- —
l.c.l., same basis gal. .55½- .57½
tanks, same basis gal. .43 - —
220°C to 242°C, tanks, Wilmington, Cal gal. .38½- .41½
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .51½- —
l.c.l., same basis gal. .53½- .55½
tanks, same basis gal. .41 - —
245°C to 293°C, tanks, Wilmington, Cal gal. .36½- —
295°C to 325°C, tanks, Wilmington, Cal gal. .26½- —
imported, coaltar, 75% at 215°C or over, dms., c.l.f. gal. .52½- .57½
Crotonic, fib dms. works lb. .29 —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Desoxycholic lb. 17.00 - 22.00
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .14 - —
Ethylthexoic, dms. c.l., works lb. .32 - —
l.c.l., works lb. .32½- —
tanks, works lb. .30½- —
F, bbls., works lb. 1.87 1.93
Folic, bots. fib. ctns. kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l. works lb. .13 - .13½
l.c.l., works lb. .13½- .14
90%, cbys., c.l., works lb. .13¼- .14
l.c.l., works lb. .14 - .14½
Fumaric, tech., bbls., dms lb. .30 .31
Gallic, NF VII, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.63
technical; bbls., 1,000-lb. lots lb. 1.43 —
smaller lots lb. 1.46 1.48
Gamma, bbls lb. 1.20 —
Acid, gluconic, tech., 50%, bots lb. .23 - .31
dms. lb. .14 - —
kgs. lb. .16 - —
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb. 2.30 - 2.40
25 lb. lots lb. 2.43 - —
Glycerophosphoric, 35%, dms., works lb. 2.15 - 2.23
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½- —
Hydriodic, 45-47%, cbys lb. 2.37 - 2.39
57%, cbys lb. 2.86 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .33 - —
tech., 48%, cbys., dlvd E lb. .34 - .36
34%, cbys., dlvd E lb. .35 - .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb. bots lb. .37 - —
Hydrofluoric, anhyd., cyls., works, lb. .19 - .19½
tanks, works lb. .16½- —
30%, wood or rubber, dms., works lb. .06½- .09
70%, steel dms., works lb. .143 - .148
Hydrofluosilicic, 30-35%, bbls lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .083 - —
Hypophosphorus, purif., 50%, cbys, lb 1.30 - 1.32
USP, cbys lb. .78 - —
J, bbls., works, 100% basis lb. 2.50 - 2.83
L, bbls., works lb. .95 - —
Lactic edible, 50%, bbls., 20 or more lb. .18½- —
smaller lots lb. .19 - —
80%, bbls. 20 bbls. or more, lb. .285 .333
plastic grade, 50% bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22%, bbls., l.c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
l.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .60 - .67
Lauric, dist., 85-90%, dms lb. .30 - .30¾
Linseed oil, reg. dist., dms lb. .2170- .2220
water-white, dms lb. .2470- .2520
Maleic, powd., dms lb. .30 .31
Anhydride (see M).
Malic, dms lb. .45 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½- .80
Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0065- 009
Molybdic, dms., 85%-92%, works lb. .88 - —
Monochloroacetic, purified, flake, 99%, dms lb. 22½ 23¼
tech., flake, 96-97%, bbls lb. .18 - .19
Muriatic, 18°, cbys., c.l., works, 100 lbs. 1.90 - 2.15
l.c.l., works 100 lbs. 2.20 - 2.25
tanks, works ton. 20.00 - —
20°, cbys., c.l. works 100 lbs. 2.15 - 2.63
l.c.l., works 100 lbs. 2.45 - 3.75
tanks, works ton. 22.00 - —
22°, cbys., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton. 27.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
l.c.l., same basis lb. .14¼- .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.

Myristic, dist., dms lb. .30½- —
Naphthenic, 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic (see Acid L)
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H)
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 - —
Nicotinic, USP, dms., frt adjusted kilo. 5.00 - 6.30
Nicotinic amide (see Nicotinamide)
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40° cbys. c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11¼- —
l.c.l., same basis lb. .13 - .13½
5 pint bottles extra, cs., c.l., frt. equald lb. .15½- —
l.c.l., same basis lb. .17 - .18

Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations
Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral.
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
Be.	Baume	ferment.	fermentation	pkgs.	packages
bgs.	bags	ffa.	free fatty acid	powd.	powdered
bbls.	barrels	ffc.	free from chlorine	precip.	precipitated
bls.	bales	fib.	fiber	prod.	producer
bots.	bottles	f.o.b.	free on board	pt.	point
b.p.	boiling point	F.P.A.	free of prussic acid	pulv.	pulverized
b.p.l.	bone phosphate of lime	frt.	freight	purif.	purified
b.r.	boiling range	fus.	fused	redist.	redistilled
bxs.	boxes	gal.	gallon	refd.	refined
C	centigrade	gran.	granular	refy.	refinery
cbys.	carboys	grd.	ground	reg.	regular
CD	completely denatured	i.&a.	iron and aluminum	resub.	resublimed
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	ret.	returnable
		imp.	imported	SD	specially denatured
cks.	casks	incl.	included	s.d	single distilled
c.l.	car lots	indust.	industrial	S. E.	southeast
cns.	cans	kgs.	kegs	secs.	seconds
col.	color	lacq.	lacquer	s.g.	specific gravity
com'l	commercial	lb.	pound	ship't	shipment
conc.	concentrated	l.c.l.	less than car lots	solut.	solution
CP	chemically pure	liq.	liquid	s.u.	standard unit
cps.	centipoises	m.a.p.	mixed aniline point	synth.	synthetic
cryst.	crystal			tech.	technical
cs.	cases	min.	minimum	USP	U. S. Pharmacopoeia
ctns.	cartons	m.p.	melting point	vis.	viscosity
cyls.	cylinders	N.	nitrogen	VM&P	varnish makers & painters
dbl.	double	nat.	natural	W	west
denat.	denatured			w.w.	water white
dest.-dist.	destructive-distilled			whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15½
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 - —
smaller lots, works lb. 3.85 - 4.00
technical, dms lb. 1.84 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb. 5.50 - —
smaller lots lb. 5.55 - 6.50
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .87 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - —
Peanut oil, s.d., dms lb. .12¾- .13¾
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l lb. .10½- .70
For shipments in cbys., add handling charges.
Picramic pgs lb 65 .70
Picric, NF, 300 lb. bbls lb. .50 - —
smaller lots, dms lb. .81 - .87
tech., bbls lb. .32 - .33

Acid, propionic, natural, dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb 2.95 - 3.18
resub., dms lb. 3.30 - 3.45
Pyroligneous, dms. incl., l.c.l., ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb 2.97 - 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l. lb. .31 - —
l.c.l. bl. .38 - —
dyestuffs grade, bbls lb. .32 - —
USP, cryst., bbls lb. .40 - —
powder, bbls lb. .45 - —
Sebacic, purified, dms., c.l., works lb. .47 - —
l.c.l., works lb. .49 - .53
Soybean oil, single, dist., dms lb. .14½- .15¾
double dist., dms lb. .15½- .16¾
Stearic, double pressed, bgs lb. .14½- .15¾
single-pressed, bgs lb. .13½- .14¾
triple-pressed, bgs lb. .16¾- .18
Succinic, purified, cryst., bbls., works lb. .75 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.s., works lb. .15 - —
l.c.l., works lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.65 - —
l.c.l., works 100 lbs. 1.95 - 2.50
tanks, works ton. 14.40 -14.50
66° Be, cbys., c.l., works 100 lbs. 1.90 - —
l.c.l., works 100 lbs. 2.30 - 2.75
tanks, works ton. 17.75 -18.00
98%, tanks, works ton. 18.80 -19.00

Acid, sulphuric, CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, works ton. 19.85 -20.00
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .11 - .12¼
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms lb. .80 - .85
75-76%, dms lb. .86 - .90
fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb 1.46 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.36 - 1.50
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. lb. .29½- —
smaller lots lb. .30 - —
100-lb. dms lb. .31 - —
small dms lb. .33 - .35
imported, kgs lb. .27 - .29
Thioglycolic, refined, bbls., cbys., basis 100% lb 1.60 - 1.80
tech., bbls. cbys., basis 100% lb 1.40 - —
Tobias, bbls lb. .65 - —
Trichloroacetic, bots lb 2.00 2.50
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Tungstic, tech., kgs., works lb 2.20 2.40
Undecylenic, dms lb. 1.00 - 1.25
Aconite leaves, bls lb. .55 .60
Root, bls lb. .48 - .52
Aconitine, amorph., mild, bots oz. 27.50 -32.50
cryst., potent, bots oz. 78.00 -85.00
Acrolein, dms., works lb. .50 - —

Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.28 - 1.30
powdered, 30 mesh, fib. dms lb 1.65 - —
Agaric, white, bls lb. 1.60 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb 8.50 -11.00
Albumen (eggs), edible, flake, bbls. lb. 1.20 - 1.22
powd., bbls. lb. 1.24 - 1.26
tech., cryst., bbls. lb. .72 - .82
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .70
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, ex pentane, dms., c.l., frt. alld, E. Miss lb. .16¾- —
l.c.l., frt. alld. E. of Miss lb. .17¾- —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, NF, dms lb. .58½- .89
tech., dms. works, frt. equald. lb. .45 .50
Butyl, fermentation, normal dms., c.l., frt. alld lb. .13¾- —
l.c.l., frt. alld lb. .14¾- —
tanks, frt. alld lb. .12 - —
synthetic, normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l., frt. alld lb. .15¾- —
tanks, frt. alld lb. .13 - —
secondary, dms., c.l., frt. alld. lb. .10¾- .11¾
l.c.l., dlvd., frt. alld lb. .11½- .12⅛
tanks, dlvd., frt. alld lb. .09 - .10
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld .12 - —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 - —
Cetyl, dom., CP., tiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.75 - 3.20
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .54½- —
l.c.l., dlvd. E. of Miss. R. gal. .58½- .63¼
tanks, dlvd. E. of Miss. R. gal. .42½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Miss. R. gal. .54½- —
l.c.l., same basis gal. .58½- .63¼
tanks, same basis gal. .42½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf, dms., c.l., dlvd. E. of Miss. R. gal. .53 - —
l.c.l., same basis gal. .57 - .62
tanks, same basis gal. .41 - —
SD2B, dms., c.l., E. of Miss. R. gal. .52 - —
l.c.l., same basis gal. .56 - .61
tanks, same basis gal. 40 - —
SD3A, dms., c.l., E. of Miss. R. gal. .51½- —
l.c.l., same basis gal. .53½- .60¼
tanks, same basis gal. .39½- —
SD23A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62¼
tanks, same basis gal. .41½- —
SD23H, dms., c.l., E. of Miss. R. gal. .54 - —
l.c.l., same basis gal. .58 - .63
tanks, same basis gal. .42 - —
SD27A, dms., c.l., E. of Miss. R. gal. .84 - —
l.c.l., same basis gal. .88 - .93
tanks, same basis gal. .72 - —
SD30, dms, c.l., E. of Miss. R. gal. .51 - —
l.c.l., same basis gal. .55 - .60
tanks, same basis gal. .39 - —
SD35A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62¼
tanks, same basis gal. .41½- —
SD40, dms., c.l., E. of Miss. R. gal. .52 - .53
l.c.l., same basis gal. .56 - .62
tanks, same basis gal. .40 - .41
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.61 - —
l.c.l., same basis gal. 17.65 -17.70
tanks, same basis gal. 17.49 - —
tax free, dms., c.l., dlvd. E. Miss. R gal. .51 - —
l.c.l., same basis gal. .55 - .60
tanks, same basis gal. .39 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.56 - —
l.c.l., same basis gal. 18.60 -18.65
tanks, same basis gal. 18.44 - —
Ethylbutyl, dms. c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27¾- —
Furfuryl, tech., ens., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .13¾- —
l.c.l., works lb. .14¾- —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., works lb. .29½- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd gal. .44 - —
l.c.l., dlvd gal. .49 - —
tanks, dlvd gal. .32 - —
95%, dms. incl., c.l., dlvd gal. .45½- —
l.c.l., dlvd gal. .50½- —
tanks, dlvd gal. .33½- —
99%, dms., incl., c.l., dlvd gal. .47 - —
l.c.l., dlvd gal. .52 - —
tanks, dlvd gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-(sobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, ens lb. 1.30 - 1.60

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Hand Cleaner
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Liquid Hide Glue
Marine Glue
Outboard Motor Lubricant
Paint Pigments
Polishing Compound
Rubber Cement
Silicone Compound
Spot Putty
Trim Cement
Weather Strip Cement

Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 • .70
type B, fiber-pack, same basis lb. .60 • .68
Propyl, normal, dms., c.l., dlvd. lb. .09¾ • —
works ..... lb. .08¾ • —
l.c.l., dlvd ..... lb. .10¾ • —
works ..... lb. .09¼ • —
tanks, dlvd ..... lb. .08 • —
works ..... lb. .06½ • —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y..lb. .47 • —
dms., Niagara Falls, N. Y..lb. .40½ • —
l.c.l., Waverly, N. Y..lb. .42½ • —
tanks, Niagara Falls, N. Y lb. .38 • —
Industrial grade, dms., c.l., Niagara Falls, N. Y..lb. .29 • —
l.c.l., Waverly, N. Y..lb. .30½ • —
tanks, Niagara Falls, N. Y. lb. .26½ • —
Aldol, 95%, dms., works ..... lb. .15 • .16
denaturing grade, dms. ..... gal. 1.33 • 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld..lb. .97 • —
l.c.l., works, frt. alld..... lb. 1.05 • —
Aletris root, bgs. ..... lb. 1.50 • 1.60
Algin, bbls., fib. dms ..... lb. .76 • 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs ..... lb. .35 • .40
Allethrin, 100%, dms., 1 to 10 dm.-lots lb.45.00 • —
smaller lots, works ..... lb.50.00 • 55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 • —
10%, dms., works ..... gal.37.75 • —
2%, dms., works ..... gal. 7.75 • —
Allspice, Jamaica (see Pimento).
Mexican, bgs ..... lb. .19½ • .19¾
Allyl bromide, cyl., 5,000 lbs., works. lb. .99 • —
smaller lots, works ..... lb. 1.05 • 1.10
Chloride, dms., c.l., dlvd ..... lb. .16¾ • —
l.c.l., dlvd ..... lb. .17½ • —
tanks, dlvd. ..... lb. .15 • —
Starch, solid, dms., works ..... lb. .58 • —
solution, 40%, dms., works..lb. .279 • .297
50%, dms., works ..... lb. .446 • —
Aloe, Cape, cs ..... lb. .22 • .23
Curacao, kgs ..... lb. .35 • .36
Socotrine, kgs ..... lb. .35 • .36
Aloin, USP, bbls., dms., kgs ..... lb. 3.50 • —
Alphanaphthol, bbls ..... lb. .70 • —
Alphanaphthylamine, bbls ..... lb. .41 • .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 • 2.40
Alphanitronaphthalene, bbls ..... lb. .34 • —
Alphapicoline, ref. dms, c.l. works, frt. equald lb. .29½ • —
l.c.l., works, frt equald lb. .30 • —
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd f.o.b. works lb. 17 • —
Alphatocopherol, bots ..... kilo.350.00 • —
Acetate, bots ..... kilo.350.00 • —
Althea root, NF, peeled, bls lb. .30 • .40
Alum, ammonium, gran., bbls., works .100 lbs. 3.30 • —
lump, bbls., works ..... 100 lbs. 4.05 • —
powd., bbls., works.... 100 lbs. 4.20 • —
USP, burnt, bbls. ..... lb. .20 • .21
hydrous, bbls. ..... lb. .07¾ • .08
Potassium, gran., bbls., works 100 lbs. 4.05 • —
lump, bbls., works... 100 lbs. 4.30 • —
powd., bbls., works....100 lbs 4.45 • —
USP, burnt, bbls ..... lb. .20 • .21
hydrous, bbls ..... lb. .07¾ • .08
Potash-chrome, dms ..... lb. .17 • —
Soda, bbls., c.l., works..... 100 lbs. 3.25 • —
l.c.l., dlvd ..... 100 lbs. 4.25 • 5.00
Alumina, calcined, bgs., c.l., works lb. .03½ • .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 • —
20%, bbls., l.c.l., works lb. .10 • —
Chloride, anhyd., com'l, dms., c.l., works lb. .11 • —
l.c.l., works ..... lb. .11½ • —
cryst., com'l, dms., c.l., works.lb. .0650 • —
l.c.l., works ..... lb. .0690 • —
NF, gran., dms., works ..... lb. .27 • .28
solution, 32° chys., c.l., works.lb. .03¼ • —
l.c.l., works ..... lb. .04 • —
Fluoride, tech., anhyd., bbls., c.l., works lb. .10 • —
l.c.l., works ..... lb. .11 • .13
Formate, basic solution, chys., c.l lb. .09½ • —
l.c.l., works ..... lb. .10 • —
Hydrate, heavy, bgs., c.l., frt. equald ton.50.00 • 54.00
l.c.l., works ..... ton.72.00 • 86.00
light, bgs., dlvd ..... lb. .17 • —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼ • —
contract, works lb. .20¼ • —
9-9½% Al_2O_3, fib. dms., works lb. .13¼ • —
contract, works lb. .17¼ • —
dried, USP XII, fib. dms., works, lb. .79½ • —
contract, works lb. .76½ • —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .33½ • —
Linoleate, solid, dms., frt. alld lb. .39½
Metal, 98-99% ingots, 10,000 lbs. lb. .17½ • .18½
pigs, 10,000 lbs..... lb. .16½ • .17½
Naphthenate, liquid, 1.7%, frt. alld lb. .24½ • .25
Oleate, dms, precip lb. .35¼ • —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 3-240 mesh, dms., frt. alld..lb. .14 • .15
kgs., ton, frt. alld lb. .12½ • —
smaller lots, frt. alld lb. .13 • .15
280-400 mesh, dms., frt alld lb. .32 • .33
kgs., frt. alld lb. .31 • —
500 mesh, dms., frt alld lb. .35 • .37
kgs., frt alld lb. .34 • —
600 mesh, dms., frt. alld. lb. .51 • .53
kgs., frt. alld lb. .50 • —
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .36 • .36
unclassified, dms., frt. alld. lb. .16 • .17
kgs., frt. alld lb. .15 • —
Paste, lining, extra fine, dms lb. .58 • —
standard, dms lb. .39¼ • —
Powder, lining, extra fine, dms lb. .96 • —
standard, dms ..... lb. .64½ • —
rubber comp., dms ..... lb. .43½ • —
unpolished, standard, dms... lb. .44½ • —
varnish, standard, dms ... lb. .49 • —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb for 100-lb dm., 1½c per lb for 50-lb dm. 3c per lb for 10-lb. can, and 5c to 12c per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs. 2c for 1,500 to 4,999 lbs., 3c for 5,000 to 29,999 lbs., and 4c for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .24 • —

Aluminum stearate, dibasic, etns., c.l. lb. .30 • —
l.c.l. ..... lb. .31 • —
monobasic, etns., c.l. ..... lb. .30 • —
l.c.l. ..... lb. .31 • —
tribasic, etns., c.l. ..... lb. .30 • —
l.c.l. ..... lb. .31 • —
Sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 • —
l.c.l., same basis 100 lbs. 1.90 • —
Iron-free, bgs., c.l., works, frt. equald. 100 lbs. 2.75 • —
l.c.l., works..... 100 lbs. 3.15 • —
NF, gran., dms., works..... lb. .27 • .28
powd., dms., works ..... lb. .32 • .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots..... oz. 8.00 • 10.00
Aminoazotoluene, bbls..... lb. 1.03 • —
Aminomethylpropanol, cns., dms., works lb. .65 • .69
Aminoethylethanolamine, dms., c.l., works lb. .42 • —
l.c.l., works ..... lb. .42½ • —
tanks, works ..... lb. .40 • —
Aminophylline, USP, 100-lb. dms. lb. 5.35 • —
Aminopyrine, USP, bots., dms.. lb. 6.00 • 6.15
Ammonia, anhydrous, fertilizer, tanks, works, ton.74.00 • 75.00
pure, cyls., extra, zone 1.... lb. .17 • .17½
2 ..... lb. .19 • .19½
3 ..... lb. .21 • .21½
4 ..... lb. .16 • .19½
refrigeration, tanks, works ton.76.50 • 77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 • —
l.c.l., works..... 100 lbs. 3.50 • —
tanks, works, anhyd. basis ton.80.00 • 81.00
Ammoniac gum (see Gum ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 6.53 • —
l.c.l., same basis 100 lbs. 6.93 • —
white, gran., bgs., c.l., works 100 lbs. 4.60 • —
l.c.l., works .....100 lbs. 6.25 • —

Alcohol, Polyvinyl—Ammonium Thiocyanate

Ammoniacal liquor, tankcars, works, anhyd. basis ton.75.00 • 80.00
Ammonium acetate, purified, dms lb. .39 • .40
reagent, jars ..... lb. .61 • .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 • —
smaller lots, frt. alld..lb. .81 • 1.08
Biborate, bbls., c.l., works ton.302.00 • —
ton lots, works ..... ton.355.50 • —
less ton lots, works ..... ton.360.50 • —
Bicarbonate, dms., c.l., works..lb. .05½ • —
l.c.l., works ..... lb. .06 • —
Bichromate, bbls., works..... lb. .31 • .36
Bifluoride, dms., dlvd ..... lb. .18 • .18½
Bromide, gran., NF, bbls..... lb. .36 • .37
dms. ..... lb. .37 • .40
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms..lb. .20 • .21
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms..... lb. .18 • .19
Citrate, dibasic, bbls..... lb. .75 • —
dms. ..... lb. .80 • .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms..... lb. 2.40 • —
Iodide, NF, jars..... lb. 3.81 • 3.91
Linoleate, plastic, 80%, dms., works..lb. .40½ • —
kgs., works ..... lb. .42½ • —
25%, dms., frt. alld..... lb. .21½ • —
tech., bbls., works ..... lb. .37 • —
dms., works ..... lb. .39 • —
Molybdate, chemical grade, bbls., kgs..lb. .85 • —
metal grade, kgs ..... lb. .90 • —
tech. grade, bbls., kgs..... lb. .50 • —

Ammonium nitrate, fertilizer grade, Canadian, 32.5% N, bgs.. c.l., shipping point...ton.37.50 • —
dom., ngs., western works ton.56.00 • —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton.46.00 • —
Oleate, dms., precip .. lb .23¼ • —
Oxalate, fine gran. dms ..... lb. .25 • .31
Pentaborate, gran., bbls., c.l., works ton.212.00 • —
ton lots, works ..... ton.265.50 • —
less ton lots works ton.279.50 • —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works..... lb. .50 • .75
Persulphate, kgs ..... lb. .25½ • .28¼
Phosphate, com'l, bgs., c.l., works, lb. .08 • —
l.c.l., works ..... lb .08½ • —
dibasic, NF V, bbls., dms.... lb .40 • —
tech., bgs., c.l., works..... lb. .08 • —
l.c.l., works. ..... lb .08½ • —
Salicylate, NF, dms., kgs ..... lb 1.25 • 1.28
Silicofluoride, dms., works .. lb. .12 • .13
Sulphamate, bbls, dms., works lb. .18 • .20
Sulphate, coke-oven, bulk, producing ovens ton.32.00 • 37.00
converters', bulk, works.... ton.37.50 • 38.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l. works, lb. .10½ • —
l.c.l., works ..... lb. .15½ • —
tanks, dlvd. or frt. alld lb. .09 • —
Sulphocyanide, tech (see Ammonium thiocyanate)
Thiocyanate tech., bbls., c.l., works lb. .18 • —
l.c.l., works ..... lb. .19 • .19

STOP MOLD

on soap wrappers with SANTOBRITE

Why let moldy soap wrappers spoil the sales appeal of your product when it is so easy to control organisms that cause this mold? Monsanto Santobrite (sodium pentachlorophenate, technical), in small concentrations, prevents mold damage on casein-coated paper.

As little as 2.0% of Santobrite, based on the dry weight of casein in the size, gives complete protection against surface microbiological growth. Since these organisms also flourish on the adhesives used on soap wrappers, Santobrite should be incorporated in them. The addition of Santobrite during paper manufacturing is recommended.

If molds on your soap wrappers are slowing down sales, it will pay you to get full details on how to stop these organisms with Santobrite. Mail the coupon or contact the nearest Monsanto Sales Office for complete information. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1770-E South Second Street, St. Louis 4, Missouri.

Santobrite: Reg. U. S. Pat. Off.

DISTRICT SALES OFFICES: Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Houston, Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Seattle. In Canada, Monsanto (Canada) Ltd., Montreal.

MONSANTO CHEMICALS—PLASTICS

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
1770-E South Second Street, St. Louis 4, Missouri

Please send further information on the use of Santobrite to stop mold in soap wrappers.

Name..... *Title*.....

Company.....

Street.....

City..... *Zone*..... *State*.....

SERVING INDUSTRY...WHICH SERVES MANKIND

Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys lb. 1.40 - 1.95
highly purified, same basis lb. 1.70 - 2.25
Thiosulphate, cryst., jars, works lb. .32 - —
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms lb 6.50 - —
monobasic, dms lb. 6.00 - —
Sulphate, dextro, dms lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .19¾- —
l.c.l., dlvd lb. .20¾- —
tanks, dlvd lb. .18 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - .81
Anethol, NF, cns., dms lb. .95 - 1.25
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .70 - .75
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld lb. .17 - —
l.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .15 - —
Salt, dms., works lb. .26 - —

Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .24 - .25
Cyprus, ngs lb .20 - 20½
Czech, bgs lb. .13½- .14
Mexican, bgs lb. .15½- .16
Syrian, bgs lb. .15 Nom.
Turkish, bgs. lb. .13½- .14
Anisic aldehyde, bots., dms lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5% bbls lb .85 - —
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .24½- —
cases, c.l., mines lb. .25 - —
Oxide, bgs., c.l., frt. alld lb. .21¾- —
l.c.l., frt. alld lb. .22¾- —
Trichloride, pails, works lb. .29 - .31
solution, cbys. lb .29 .30
Salt, 65%, bgs., c.l., dlvd E. of Miss lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .20 .23
Antimony potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb. 2.35 2.45
Apomorphine, USP, bots. oz.23.20 -23.70
Archil extract, bbls lb. No stocks.
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo. kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. .45 - .50
root, bls. lb. 1.45 —
Arrowroot, powd., bgs lb. .12 - .15

Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - .42
White, powd., bbls., c.l., dlvd lb. .05½- —
l.c.l., dlvd lb. .06¼- .06¾
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons), mines ton.313.00 - —
3R, c.l. (20 tons), mines ton.267.00 - —
3T, c.l. (20 tons), mines ton.249.50 - —
3Z, c.l. (20 tons), mines ton.231.00 - —
4K, c.l. (20 tons), mines ton.124.00 - —
4M, c.l. (20 tons), mines ton.124.00 - —
4T, c.l. (20 tons), mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton.111.50 - —
5D, c.l. (20 tons), mines ton.88.00 - —
5K, c.l. (20 tons), mines ton.88.00 - —
5M, c.l. (20 tons), mines ton.84.00 - —
5R, c.l. (20 tons), mines ton.78.50 -79.00
6D, c.l. (30 tons), mines ton.58.00 -59.00
7D, c.l. 30 tons), mines ton 52.00 -52.50
7F, c.l. (30 tons), mines ton.49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton.29.50 -30.00
7T, c.l. (30 tons), mines ton.28.00 -28.50
7RF, c.l. (30 tons), mines ton.30.50 -31.00
7TF, c.l. (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10

Gilsonite, brilliant black, selects, 270°-295° F, fusing point, bgs., f.o.b. Colo. mines ton.34.00 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton.31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. .05¾- .12
Steam-rfd., less than 80 penetration,, tanks, tankwagon, refinery ton.22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton.21.00 - —
Atropine, USP, bots oz.10.50 -11.50
Sulphate, USP, bots oz. 6.25 - 7.00

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .40 - .41
tree bark, bgs lb. .35 - .36
Barbital, USP, cns. lb 4.50 - —
Sodium, USP, dms lb. 4.17 - —
Barium carbonate, precip., bgs., 10 tons and up, works ton.80.00 -85.00
smaller lots, works ton.90.00 -95.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals, bgs., c.l., works, ton.100.00 - —
l.c.l., works ton.110.00 - —
Chromate, bgs. frt. equald lb. 31½- .32
Barium dioxide, dms., works lb. .12 - —
Hydrate, crystals, bgs. lb. .09 - .09¼
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. lb 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l., works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l. lb. .34 - —
smaller lots lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe)
X-ray, bbls. lb. .13 - .13¼
Sulphide, dms., c.l., works ton.55.00 - —
l.c.l., works ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l., works lb. .21 - —
tech., bgs., c.l., works, frt. equald ton.90.00 - —
l.c.l., works. ton.100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.35.05 - —
l.c.l., same basis ton.36.85 - —
ex whse., N. Y. ton.49.65 - —
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines ton.20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .43 - .46
Root, bls. lb. .40 - .41
Bauxite, bulk, mines ton 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton.12.00 - —
Benzaldehyde, NF, dms lb. .68 - —
tech., cbys., dms lb. .45 - —
Benzal chloride, cbys., works lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane)
tech., bgs., dms., c.l., works, gamma unit lb. .01¾ —
l.c.l., works, unit lb. .02 - .02⅛
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - —
l.c.l., dlvd., gamma unit lb. .02½- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .02½- —
l.c.l., dlvd., gamma unit lb. .03 - —
Benzidine base, bbls lb. 1.02 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md gal. .27 - —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala.; Chicago Dist.; Cleveland Dist.; Lone Star, Tex.; Geneva, Utah; Johnstown, Pa.; Lorain, Ohio; Minequa, Colo.; Philadelphia, Pa.; Pittsburgh Dist.; St. Louis, Mo.; Syracuse, N. Y.; Terre Haute, Ind.; Woodward, Ala.; Wyandotte, Mich.; Youngstown, Ohio gal. .25 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb. .90 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19¼
l.c.l., same basis lb. .20 - .20⅛
high grade, 2c. higher.
Cinnamate, cns lb. 3.00 - 4.00
Benzyl formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.80 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works. lb. .21 - .21⅛
l.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works. lb. .75 - —
tech., bbls., c.l., works lb. .28½- —
l.c.l., works lb. .30½- —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls. lb 45 - .50
Biotin, cryst. gram.10.00 - —
Bismuth chloride, jars lb. 3.97 - —
Citrate, USP VIII, jars lb. 3.29 - —
Hydroxide, dms lb. 4.20 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.87 - —
Oxychloride, dms. lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.02 - —
Phenolsulphonate, fib. dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, fib. dms lb. 2.75 - —
Subiodide, fib. dms lb. 4.92 - —
Subnitrate, NF, dms lb. 2.30 - —
Subsalicylate, USP, dms lb. 3.20 - —

. . . in your detergent

*Carbose** can do it. Carbose is Wyandotte's "detergency promoter." As little as 1% of Carbose added to a synthetic detergent can increase soil removal and whiteness retention properties by 20 to 50%.

Here's what three laundries say about detergents promoted with Wyandotte Carbose:

"We got soft water quality in a hard water plant with a decrease in the cost of supplies."

"We got an outstanding improvement . . . reduced the cost of our supplies by 24.4%."

"Significant increase in quality . . . reduction in cost of supplies 50%."

These are just a few of hundreds of field observations made with different formulations of Carbose with synthetic detergents and builders. We think they show that it might be worth while for you to investigate Wyandotte Carbose. Why not write for samples today?

*Reg. U. S. Pat. Off.

SODA ASH • CAUSTIC SODA
BICARBONATE OF SODA
CALCIUM CARBONATE • CALCIUM CHLORIDE
CHLORINE • HYDROGEN • DRY ICE
SYNTHETIC DETERGENTS • GLYCOLS
CARBOSE (Sodium CMC) • ETHYLENE DICHLORIDE
PROPYLENE DICHLORIDE
AROMATIC SULFONIC ACID DERIVATIVES
OTHER ORGANIC AND INORGANIC CHEMICALS

Wyandotte Chemicals Corporation
Wyandotte, Mich. • *Offices in Principal Cities*

Wyandotte
REG. U. S. PAT. OFF.

Bismuth-ammonium citrate, USP, powd., dms ..lb. 3.82 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
c.l., l.c.l., shipt. point ... lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd... lb. .14½- .23½

Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.

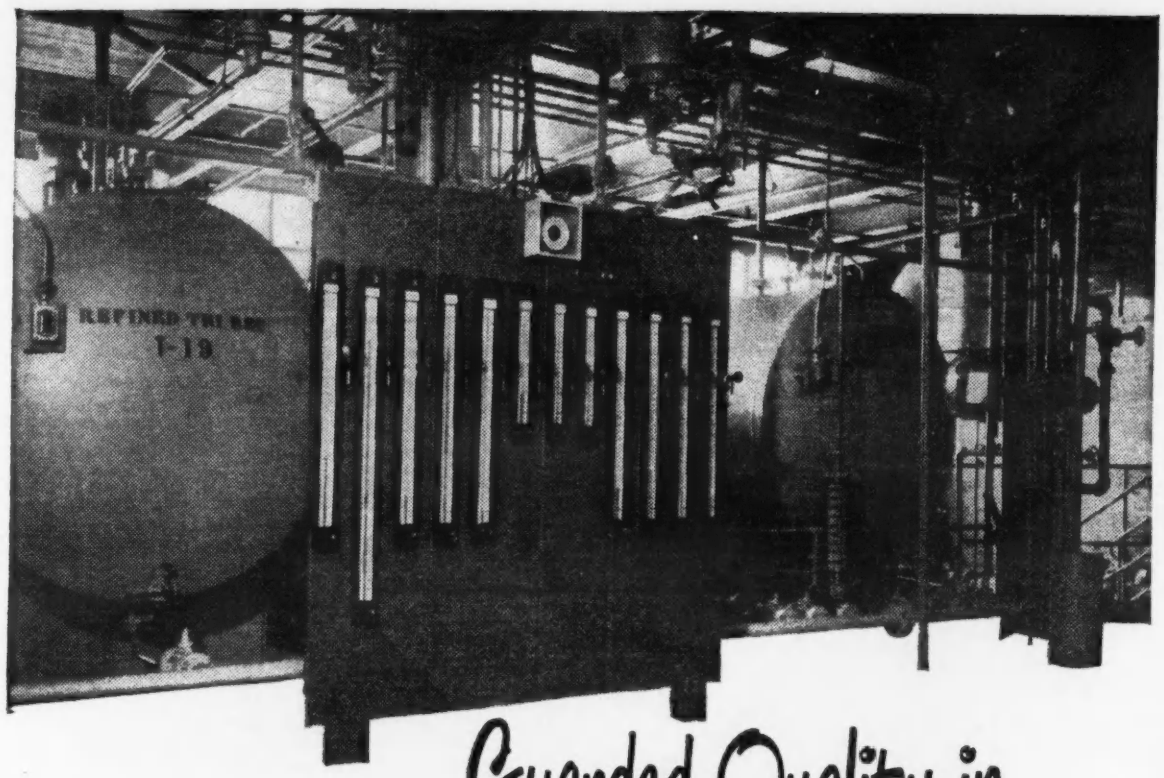
Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690- —
l.c.l., dlvd. or whse .. lb. .117 .1175
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs. ctns. t.c.l. dlvd or whse lb. 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., t.c.l., whse lb. .09½- —
high modulus, bgs., c.l., works, lb. .05 - —
ctns., t.c.l., whse lb. .09 - —
semi-reinforcing bgs., c.l., works lb. .03½- —
ctns., t.c.l., whse lb. .07½- —
very fine, bgs. c.l. works lb. .0740- —
l.c.l., dlvd., or whse..... lb. .12 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works..lb. .11 - —
l.c.l., works.....lb. .11¼- —
Lamp, bgs., c.l., works..... lb. .07 .30
Mineral, bgs., works ..... lb. .0160- 0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls.....lb. .30 - .32
root, bls.....lb. .10 - .12
Black dyes (see Dyes).
Black haw, root bark, bls.....lb. .65 - .75
Tree bark, bls.....lb. .28 - .30
Black Indian hemp root, bls..... lb .45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works..ton.85.00 - —
l.c.l., works.....ton.95.00 - —
direct process, bgs., c.l., works ton.85.00 - —
t.c.l., works .....ton.90.00 - —
N. Y. whse.....ton.113.00 - —
bbls., c.l., works..... ton.90.00 - —
t.c.l., works ..... ton.95.00 - —
N. Y. whse..... ton. 113.00 - —
pulp, 66⅔% bbls. c.l., works. ton.69.00 - —
l.c.l., same basis.....ton.75.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.50 - —
l.c.l., works ..... 100 lbs 5.00 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 7.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago... unit-ton 8.00 - —
soluble, bgs., cs .....lb. .15 - .16
l.c.l. .....lb. .16 - .18
Bloodroot, bls.....lb. .40 - .45
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls. litho flushed, same basis lb. 1.05 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb .37 - .42
Cobalt, genuine, bbls., same basis lb. 4.90 - —
lb. 4.90 - —
imitation (see Blue, ultramarine)
Copper-phthalocyanine, full strength, bbls., same basis lb 3.75 3.85
80%, bbls., same basis lb. 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis .. lb. .37 - .42
Peacock, tugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb 3.75 - —
tungstic ..... lb 4.00 - —
Potash, CP, bbls., same basis lb. .31 - —
Prussian, bbls., same basis .. lb. .37 - .42
soluble, bbls., same basis .. lb. .37 - .42
Soda, C.P. bronze, bbls., same basis lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis.lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb 3.75 - —
Tungstic, bbls .. lb 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb 2.60 2.70

Blue dry colors dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag, root, bls. ..... lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls ..... lb. .08 - .12
Bone, raw, bulk, Chicago .... ton 75.00 - —
junk, bulk, same basis.... ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.62.50 - —
Chicago, works .... ton.62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.58.00 - —
Chicago, works .... ton.58.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.62.50 - —
Chicago, works .. ton.62.50 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls..... lb. .15 - .18
Borage flowers bls..... lb. .40 - .45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 - —
ton lots, ex whse N. Y. or Chi ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works .....ton.90.50 - —
ton lots, ex whse, N. Y. or Chi ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works..... ton.64.00 - —
crystals, 99½%, bgs., c.l., works. ton.61.25 - —
ton lots, ex whse N. Y. or Chi ton.106.50 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works .....ton.81.25 - —
ton lots, ex whse, N. Y. or Chi ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works.....ton.57.25 - —
Borax, tech., granular, 99½%, bgs., c.l., works .ton.35.25 - —
ton lots, ex whse, N. Y. or Chi ton 80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works .....ton.55.25 - —
ton lots, ex whse N. Y. or Chi ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk c.l. works .. ton.51.25 - —
powder, bgs., c.l., works .... ton.40.25 - —
ton lots, ex whse N. Y. or Chi ton.85.00 - —
less ton lots same basis, ton.90.00 - —
bbls., c.l., works ... ton.60.25 - —
ton lots, ex whse N. Y. or Chi ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l. works ton.36.25 - —

Borax packed in kgs is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis ..... lb. .16 - .23
Borneol, crs. ..... lb. 2.25 - 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine purified cs c.l. frt. alld. E of Rockies lb. .21 - —
1,000 lbs. same basis lb. .23 - —
single pkgs. same basis lb .28 - —
dms., lead-lined, dlvd lb. .21 - —
Bromoform, pharmaceutical grade, bots. lb. 1.52 - 2.50
cbys. ..... lb. 1.42 - —
Bromstyrol, bots.....lb. 5.35 - 5.75
Bronze powder, aluminum (see A)
Gold, litho., cns., dms., works, lb. .50 - .60
moulding, cns., dms., works, lb. .80 - 1.00
printing ink, cns., dms., works lb. .95 1.10
radiator, cans dms. works.lb. .60 - .65
Broomtop, bls lb. .25 .36
Brown, iron oxide, synth., bgs., l.c.l., works..lb. .12¼- —
Oxide, metallic, bgs., works... lb. .3015- .3040
Sap, crystals, works ..... lb. .12 - —
powdered ..... lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works ..... lb. .04½- .15¼
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works ..... lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06½
l.c.l., bgs., works ..... lb. .05½- .07¼
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼- .08¼
l.c.l., works.....lb. .06½- .08¼
raw, American, bgs., same basis, lb. .04¼- .06½
Turkey type, bgs., same basis, lb. .06½- .06¾
Vandyke, bbls., works .....lb. .11 - —
Brucine, cns., 100 ozs ..... oz. .35 - —
Sulphate, NF, cns., 100 ozs.... oz. .30 - —
Bryonia root, bls .....lb. .30 .35
Buchu leaves, bls.....lb. .45 - .50
Buckthorn bark, bls .....lb. .12 - .14
cut and sifted, bls.....lb. .18 - .20
Berries, bgs .....lb. .80 - .90
Burdock, root, bls .....lb. .20 - .24
Butadiene, cyls, refinery.....lb. .19 - —
tanks, same basis.....lb. .10½- —
Butane, indust., tanks, group 3 gal. .03 - —
Butternut bark, bls .....lb. .22 .26
Butyl acetate, fermentation, normal, dms., c.l., same basis..lb. .13¾- —
l.c.l., same basis.....lb. .14¾- —
tanks, same basis.....lb. .12 - —
synthetic, normal, dms., c.l., same basis..lb. .14¾- —
l.c.l., same basis.....lb. .15¾- —
tanks, same basis.....lb. .13 - —
secondary, dms., c.l., same basis..lb. .11¼- —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .09½- —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works.... lb. .17½- —
l.c.l., works .....lb. .18 - —
tanks, works .....lb .16 - —
Chloride, dms., c.l., works..... lb. .41½- —
l.c.l., works.....lb. .42 - —
Ether (see Ether, butyl).
Lactate, dms. c.l. frt. alld. E of Rockies lb. 42½- —
l.c.l., same basis.....lb. 43¼- —
tanks, same basis .....lb. .41 - —
Laurate, dms. works .. lb. .42 - —
Methacrylate, normal, dms., less than truckload, works. lb. .60 - —
Oleate, reid, dms, t.c.l. works lb .52 - —
Phenylacetate, dms ..... lb 2.00 2.25
Phthalate (see Dibutyl phthalate)
Stearate, dms. c.l. frt. alld. E. of Rockies lb. .27 - —
l.c.l., same basis ..... lb 28½- —
Butylamine, dms., c.l., frt. alld...lb. .51½- —
l.c.l., same basis.....lb. .52½- —
tanks, same basis .....lb. .49¾- —
Butyric ether (see Ethyl butyrate)



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Cacao Butter—Cellulose Acetate

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.15 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., 100 lbs or more lb. 4.75 - —
anhydrous, dms., 100 lbs. or more lb 5.00 - —
Synthetic, USP cryst., dms., 100 lbs. or more lb 3.80 - —
anhydrous, dms. 100 lbs. or more lb. 4.00 - —
Citrated, USP dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots lb. 6.70 Nom.
Calabar beans, ngs., futures lb. 65 .66
Calamine, USP, dms lb. .27 - .29
Calamus root, dom., bgs lb. .27 - .30
imported, bleached, bls lb. .70 Nom.
peeled, bls lb. .30 - .31
Calciferol, cryst., vials, 250 grams or more, works gram. 1.90 - —
25 to 249 grams, works gram. 2.10 - —
1 to 24 grams, works gram. 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit. .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .11 - —
l.c.l., same basis lb. .12 - .13
Bromide, NF, jars lb. .75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton.121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.23.50 - —
l.c.l., same basis ton.52.00 -82.00
liquor, works, basis 40%, tank-cars ton. 9.75 - —
pellets, bgs., c.l., works ton.31.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.22.00 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls lb. .30 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies lb. .30 - .50
Gluconate, AA, bbls., dms lb. .65 - .72
USP, bbls., dms lb. .58 - .65
Glycerophosphate, NF, fib., dms. lb. 1.80 - 1.95
Hydride, dms., works lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm.24.00 -28.50
cns., cased (45 lbs.) same basis. cs.19.75 -21.50
Hypophosphite, ton lots and less, dms lb. .80 - .83
Iodide, jars lb. 4.10 - 4.12
Lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 - .44
Calcium mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .23¾- —
Nitrate, tech., works lb. .07 - .09
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Phenolsulphonate, dms lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 15 tons, wks. ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .28 - —
Resinate, precip., dms., frt. alld., works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls lb. .45 - .60
Calomel, USP, fine powd., dms. lb. 1.97 - 1.98
reg. powd., dms lb. 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 2.75 - 2.85
natural, powd., 100-lb. lots lb. .45 - .55
tablets, 1-oz., ½-oz., cs lb. .85 - .93
Camphor, synthetic, tech., bbls., 2,000 or more, whse lb. .38 - —
10 bbls. (1,500 lbs.) lb. .40 - —
smaller lots lb. .41 - .51
USP, gran., powd., bbls., 2,000-lb. lots lb. .45 - —
1,000-lb. lots lb. .46 - —
smaller lots lb. .47 - —
tablets, tins, 2,000-lb. lots, c.l. lb. .73 - —
1,000-lb. lots lb. .74 - —
smaller lots lb. .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs lb. .75 - .85
powd., bxs. lb. .90 - 1.05
Russian, bgs. lb. 3.85 - 3.90
powd., bxs. lb. 4.00 - 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper lb. 4.00 - 6.00
from African pepper lb. 5.75 - 6.50
Caramel coloring, NF, bbls gal. 1.05 - 1.20
Caraway, Dutch lb. .16½- .17
Carbazole, 97% steel dms., ton lots, works lb. 1.55 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E. lb. .13¼- .14¼
l.c.l., same basis lb. .14 - .15
tanks, same basis lb. .11½- .12½
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., c.l., same basis lb. .08¼- .08¾
l.c.l., same basis lb. .09½- —
tankcars, same basis lb. .0440- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, c.p., dms., works, lb. .10¾- —
NF, cbys lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .091 - —
W. of Rockies, frt. alld. lb. .09¾- —
tanks, E. of Rockies, frt. alld. lb. .07¼- —
W. of Rockies, frt. alld lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, cs. lb. 3.50 - 3.55
medium, cs lb. 3.30 - 3.35
decorticated, Mangalore, cs lb. 3.20 - 3.50
Ceylon, cs lb. 3.40 Nom.
Guatemala, cs lb. 3.45 - 3.50
green, Alleppey, bgs lb. 2.40 - 2.45
Ceylon, bgs lb. 2.40 - 2.45
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, ouik, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb 25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli. units. .18 - —
dms., works milli. units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. lb. 8.75 - 9.00
Cascara sagrada bark, bulk lb. .30 - .32
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, Ship't point lb. .25½- .26⅛
premium, bgs., 10,000 lbs. or more, ship't point lb. .25½- .29⅛
imp., acid-precip., ground, 100 bgs. or more, ex dock lb. .26 - .26⅛
rennet-precip., bgs., 10,000 lbs. or more, ex dock lb. .30 - .31
Cashew nut, lig., treated, dms., c.l., f.o.b Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼- —
dm. lo's, same basis lb. .24¼- —
Cassia, Batavia, long stick, bls lb. .26 - .27
broken lb. .16 - .17
shortstick, bls lb. .18 - .19
China, Canton, Kwangsi, rolls, select, cs lb. .16 - .17
broken, bls lb. .12½ Nom.
Honan, Yunnan rolls, scraped, bls lb. .18 - .18⅛
broken, bls lb. .17½- .18
unscraped, bls lb. .17 - .17⅛
broken, bls lb. .16½- .17
Saigon, broken, bls lb. .34 - .35
medium, bls lb. .45 - .46
thin, bls lb. .47 Nom.
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports long ton.115.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.30.50 - —
Castoreum, natural, cns lb. 7.00 -30.00
artificial, cns. lb. 9.00 - 9.25
Catechol, CP, cryst, fib. dms., works lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls. lb. .60 - .65
Celery seed, French, bgs lb. .38- .38⅛
Indians, bgs lb. .26½- .27
Futures, bgs lb. .26½- .27
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .38
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49

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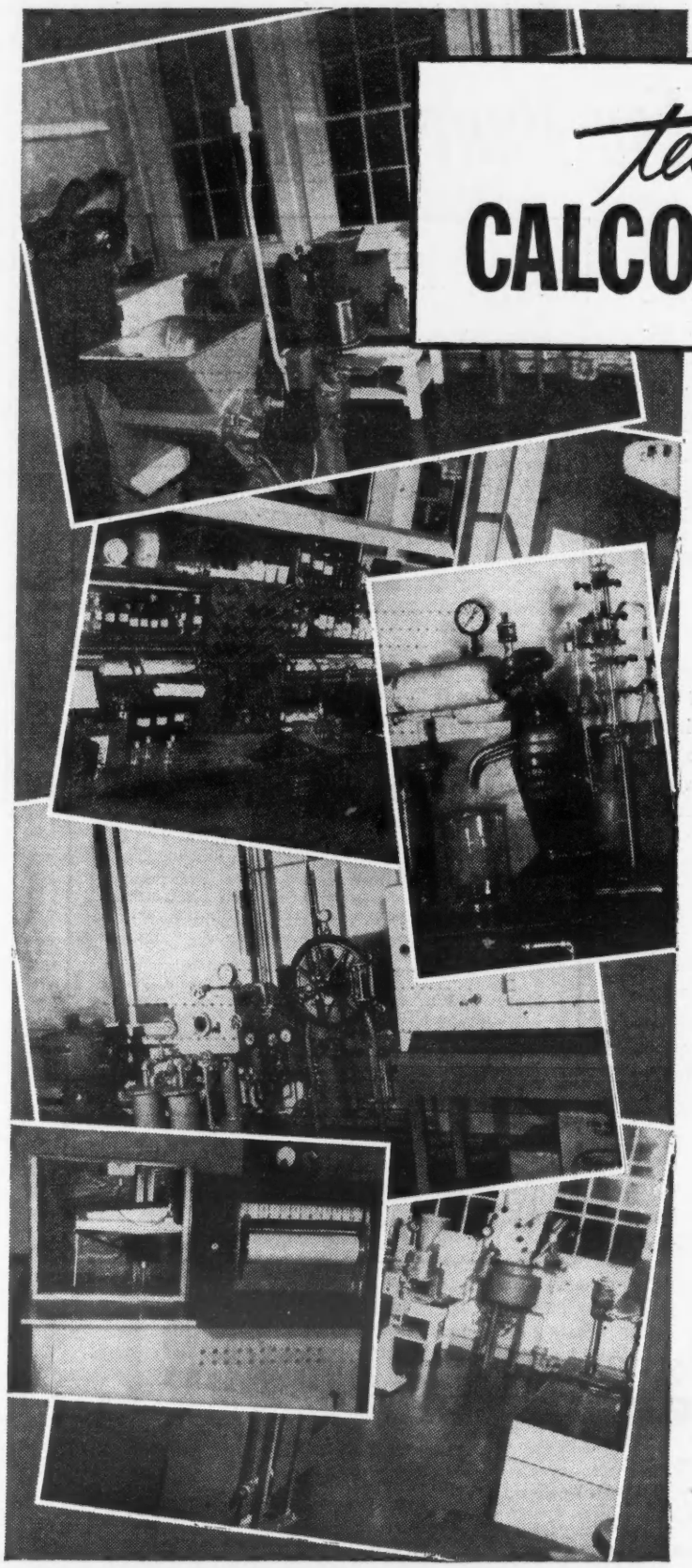
824 WHITNEY BUILDING, NEW ORLEANS 12, LA.

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs., works lb. .49 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 - .53
less than 500 lbs., works lb. .51 - .54
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb. .70 - .73
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100-lb. lots, works lb. 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02⅞- .05½
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton.40.00 - —
papermakers, ogs., c.l., works, ton.32.50 -40.00
rubber makers, bgs., c.l., works, ton.30.00 - —
Chamomile flowers, Hungarian, cs lb. .45 - .55
Roman, bls lb. .85 - .90
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton.51.80 - —
bulk, c.l., works ton.49.80 - —
granular, bgs., incl., c.l., works, ton.46.80 -59.00
lump, bgs., extra, returnable, c.l., works ton.41.80 -45.50
bulk, c.l., works ton.38.80 -43.50
Pinewood, gran., powd., ogs., c.l., works, South ton.30.00 -40.00
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 - —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 - —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l., works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works, ton.16.00 - —
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.19.00 -40.00
powd., bgs., c.l., ex dock, net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, jars lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. .75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms., frt. alld. lb. .12½- .13¼
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., NY lb. .08¾- —
l.c.l., NY, stock points lb. .10¼- —
tanks, single units, works, frt. equald 100 lbs. 2.55 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 3.05 - —
2 cars, same basis 100 lbs. 3.65 - —
1 car, same basis 100 lbs. 4.25 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots. lb. 3.75 - 4.25
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld. lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 6.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.53
Chloride, fib. dms., same basis lb. 2.30 - 2.53
Dihydrogen citrate, fib. dms., same basis lb. 2.30 - 2.53
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½%, bbls., works lb. .08 - —
cbys. lb. .09¾- —
8½%, bbls., works lb. .08½- —
cbys. lb. .10¼- —
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb. .49 - —
Trioxide, USP, bots lb. .62 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots lb. 7.65 - 9.29
Cinchona bark, NF, red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .63
Sulphate, NF, cns., 100 ozs oz. .30½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms lb. .90 - 1.20
Cinnamon, Ceylon, No. 2, bls lb. .25 - .26
Citral, bots, cns. lb. 5.00 - 5.55

Citronellal, bots., dms lb 2.50 - 7.75
Citronellol, bots., dms lb. 2.85 - 3.15
Civet, bots. oz. 4.00 -13.00
artificial, bots lb.13.75 -15.00
Clove, Madagascar, bls lb. .26½- .27
futures, bls lb. No offers
Zanzibar, bls. lb. .27 - .27½
afloat lb. .27 - .27½
Clover tops, red, dom., bgs lb. .65 - .70
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .54 - —
smaller lots, same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .23½- —
l.c.l., ex-whse gal. .25 - —
tanks, ex-whse gal. .13½- —
refd., resale, bbls., c.l., ex-whse, gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works lb. .91¼- —
Hydrate, 60.3% Co, bbls lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8⅛% Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Metal, 97-99%, kgs., ex-whse lb. 1.80 - —
under 100 lbs., ex-whse lb. 1.82 - 1.87

Cobalt naphthenate, liq., 6% Co, dms lb. .37¼- —
Nitrate, 20.4% Co, bbls lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼- —
Resinate, fused 3% Co dms lb. .22¾- —
Sulphate, bgs, 21% Co, kgs lb. 1.05 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb. .16 - .17
Cocoa butter, bgs. lb. .75 Nom.
Codeine, NF, cns., 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP cns., 100 ozs. oz.10.25 - —
Sulphate, USP cns., 100 ozs oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls lb. .20 - .25
Blue, root, bls lb. .15 - .17
Colchicine, USP, bots., cns oz.79.00 -85.00
Colchicum root, bls lb. .60 - .70
Seed, bgs. lb. 1.10 - 1.20
Collodion, USP, dms lb. .21 - —
Flexible, USP, dms lb. .22½- —
Colocynth, pulp, bls lb. .25 - .27
Colombo root, bls. lb. .13 - .15
Coltsfoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .20 - .22
Copaiba balsam, cns., dms lb. .64 - .82
Copper acetate, cupric, bbls., works, lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bgs., works lb.19.20 -20.20
Chloride, anhyd., bbls., works lb. .30½- —
crystals, bbls., works lb. .20¼- —
Citrate, USP, 5-lb. bots lb. 2.40 - —
Cyanide, tech., bbls lb. .494 - .514
Gluconate, cns., dms lb. 3.00 - 3.24

Copper hydrate, dms., frt. alld. E. Miss. lb. .27½- .28
Metal, electrolytic, dlvd lb. .22½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld. lb. .22¾- —
Nitrate, tech., cryst., bbls., works, lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls. lb. .27 - —
solid, 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .20 - .35
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate, bgs., frt. alld. lb. .24¼ Nom.
Quinolate, fib. dms lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 8.35 - 9.10
CP, cryst., gran., dms., works, lb. .1385- —
monohydrated, 35%, dms., c.l., works 100 lbs.13.30 - —
tribasic, dealers, bgs., c.l., works, frt. alld. lb. .226 - —
l.c.l., works lb. .236 - —
USP, gran., cryst., dms lb. .1385- .26
Undecylenate, dms lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.195.00 - —
Pacific ports ton.190.00 - —
Coriander seed, Argentine, bgs. lb. .12 - .13
Italian, bgs. lb. .07 Nom.
Moroccan, bgs. lb. .16½- .17



technical
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PHARMACEUTICAL DEPARTMENT
CALCO CHEMICAL DIVISION
AMERICAN Cyanamid COMPANY
BOUND BROOK, N. J.

Corn Sugar—Di-isobutyl Ketone

Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.34 - —
bbls., c.l., same basis 100 lbs. 6.30 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.52 - —
l.c.l. 100 lbs. 6.67 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, bulk, Memphis ton 72.00 - —
Coumarin, NF, cns., 25-lb. lots lb. 2.75 - —
smaller lots lb. 2.80 - 2.90
powd., cans lb. 3.60 - 3.05
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .25 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .26¼ - —
smaller lots, bbls., kgs lb. .26¾ - .27¾
imported, kgs lb. .21 - .23
Creosote, coaltar, crude, tanks, works, frt. equald gal. .14 - .18
refined dms., c.l., works gal. .36½ .40
l.c.l., same basis gal. .37½ .47
tanks, same basis gal. .23½ —
solution, 80%, tanks, works gal. .168 - 1.20
NF, beechwood, bots., cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 —
Pinewood, dms gal. .31 .33
Carbonate, NF, bots., cbys lb. 2.35 - 2.40
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald, lb. .128 - —
l.c.l., same basis lb. .131 - —
Cresols, tech., dry, above 207°C, ret. dms., c.l., same basis, lb. .125 - —
l.c.l., same basis lb. .128 - —
tanks, same basis lb. .115 - —
USP, non-ret. dms., c.l., same basis lb. .133 - —
l.c.l., same basis lb. .136 - —
ret. dms., c.l., same basis lb. .13 - —
l.c.l., same basis lb. .133 - —
tanks, same basis lb. .12 - —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½ —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 13.75 - —
bbls., l.c.l., works 100 lbs. 14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NS bgs lb. .35 .45
powd., cs. lo. .44 .54
Culvers root, bbls lb. .50 .60
Cumene, dms., c.l. lb .08 —
l.c.l. lb. .09 —
tanks gal. .53 .56
Cumin seed, Iranian, bgs lb. .16½ .17
Morocco, bgs. lb. .16½ .17
Syrian, bgs. lb. .16½ .17
Cutch, extract, 55% tannin, bgs., ex dock lb. .06¾ —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton 46.50 - —
ton 46.50 —
pulv., 21% N., bgs., same basis unit-ton. 2.25 - —
Cyclohexane, tech., dms., c.l., works, lb. .11 - —
l.c.l., works lb. .11¾ - —
tanks, works lb. .09¼ - —
Cyclohexanol, tech., dms., c.l., works, lb. .21½ .23
l.c.l., works lb. .22 - .26
tanks, works lb. .20 - .24
Cyclohexanone, tech., dms., c.l. lb. .26½ .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works, lb. .36½ —
l.c.l., works lb. .37½ - —
tanks, works lb. .35½ - —
Cyclopropane, USP, 2 lb. cyls, works, cyl. 40.00 - —
6 oz. cyls., works cyl. 10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

D

2, 4-D, bbls., c.l. works, frt. equald, lb. .43 - .48
l.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works lb. .54 - —
l.c.l., works lb. .59 - .66
Damiana leaves, bls lb. .40 .45
Dandelion root, bls lb. .40 .45
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ —
lump, fib dms., c.l., works lb. .49 - —
l.c.l., works lb .49½ —
DDT, fiber dms., c.l., works, frt. equald lb. .32 - .36
smaller lots, same basis lb. .33 - .37
Decanol, normal, tech., dms., c.l., dlvd lb. .34½ —
l.c.l., dlvd. lb. .36½ —
tanks, dlvd. lb. .32 - —
Deertongue leaves, bls lb. .30 - .35
Defluorinated phosphate, 85% b.p.l., paper bgs., works ton 44.15 -45.75
Rock, 14½% P, paper bgs., works ton 45.00 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone, powd. lb. .42 - —
Desoxyephedrine hydrochloride, dextro, dms. lb. 30.00 - —
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 7.65 - —
l.c.l. 100 lbs. 7.80 - —
Chicago, c.l. 100 lbs. 7.00 - —
canary, paper bgs., c.l. 100 lbs. 7.49 - —
l.c.l. 100 lbs. 7.64 - —
Chicago, c.l. 100 lbs. 6.84 - —
dark, paper bgs., c.l. 100 lbs. 7.59 - —
l.c.l. 100 lbs. 7.74 - —
Chicago, c.l. 100 lbs. 6.94 - —
white, paper bgs., c.l. 100 lbs. 7.34 - —
l.c.l. 100 lbs. 7.49 - —
Chicago, c.l. 100 lbs. 6.69 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, bgs lb. .08½ .09
Tapioca, pure, envelope, bgs lb. .15 - .16
Dextrose, USP, dms lb. .17¾ —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb 8.00 9.55
laboratory grade, bots. 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. .34½ —
l.c.l., dlvd. E lb. .35¼ - —
tanks, dlvd. E lb. .32½ - —
Diamsioin, dms lb. 1.75 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 -52.00
California ton. 35.00 -40.00
l.c.l., ex whse ton. 50.00 - —
purified, bgs., c.l., Atl. coast ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 80.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices,
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works, lb. .66½ —
l.c.l., works lb. .67 - —
tanks, works lb. .65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½ - —
l.c.l. works lb. .56 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .29 - .29¼
l.c.l., dlvd lb. .29½ - .30¼
tanks, dlvd lb. .27½ - .28¼
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
tanks, works lb. .49½ - —
Tartrate, dms., works, frt. alld lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½ - —
l.c.l., frt. alld lb. .52½ - —
tanks, frt. alld lb. .49¾ - —
Dicapryl phthalate, dms., c.l., dlvd, lb. .36½ - —
l.c.l., dlvd lb. .37½ - —
tanks, dlvd lb. .35 - —
Sebacate, dms., c.l., works lb. .54.2 - —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works, lb. .047 - —
l.c.l., works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .40¼ - —
l.c.l., works lb. .41 - —
tanks, works lb. .39 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .40½ - —
l.c.l., same basis lb. .41½ - —
Diethanolamine, dms., c.l., works lb. .26½ - —
l.c.l., same basis lb. .27½ - —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36¾ - —
l.c.l., same basis lb. .37¾ - —
tanks, same basis lb. .35 - —
Malеate, dms., c.l., dlvd lb. .45 - —
l.c.l., dlvd lb. .49 - .52¼
tanks, dlvd lb. .43½ - —
Oxalate, dms., c.l., frt. alld lb. .35¾ - —
l.c.l., same basis lb. .35¾ - —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd lb. .23½ - .25¼
l.c.l., dlvd lb. .24½ - .26¼
tanks, dlvd lb. .22 - .24
Sulphate, dms., c.l., works lb. .16 - —
l.c.l., works lb. .16½ - —
tanks, works lb. .14½ - —
Diethylamine, dms., c.l., frt. alld, E lb. .57 - —
l.c.l., same basis lb. .58 - —
tanks, same basis lb. .55¼ - —
Diethylanilin, dms. lb. .48 —
Diethyleneglycol, dms., c.l., frt. alld, E lb. .17½ - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16 - —
Boriborate, dms., l.c.l lb. .28 - —
Diethylether, dms., c.l., works lb. .46½ - —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works, lb. .24½ - —
l.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Monobutylether acetate, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½ - —
Monoethylether, dms., c.l., works, lb. .18 - —
l.c.l., works lb. .18½ - —
tanks, works lb. .16½ - —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½ - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½ - —
tanks, works lb. .20½ - —
Diethylenetriamine, dms., c.l., works, lb. .42 - —
l.c.l., works lb. .42½ - —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .61½ - —
l.c.l., same basis lb. .62½ - —
tanks, same basis lb. .59¾ - —
Diethylstilbestrol, USP, bots kilo 240.00 -320.00
Digitalin, cryst., bots gram 12.50 -18.00
powd., bots oz. 25.00 -30.00
Digitalis leaves, dms lb. .85 - 1.25
Digitoxin, USP, bots gram. 7.50 - 8.00
Digycol, laurate, dms lb. .30 - .32
Oleate, dms lb. .25 - .27
Stearate, dms lb. .25 - .26
Dihexyl sebacate, dms., c.l., works, lb. .42½ - —
l.c.l., works lb. .43 - —
tanks, works lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials, gram. .60 - —
wholesalers, vials gram. .48 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., dlvd, lb. .14¼ - —
l.c.l., dlvd. lb. .15¼ - —
tanks, dlvd. lb. .12½ - —

When Toluene Derivatives Are Indicated As Intermediates

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COMPLETENESS

As specialists in the manufacture of Toluene derivatives Hooker offers eleven products or intermediates giving you a wide choice from one source.

Sodium Benzoate
Benzoic Acid
Benzyl Chloride
Benzal Chloride
Benzoic Anhydride
Benzotrichloride
Benzoyl Chloride
Benzyl Alcohol
Benzyl Thiocyanate
Methyl Benzoate
Monochlorotoluene

EXPERIENCE

Hooker's long experience with the development of chlorine derivatives has built a fund of technical knowledge that is available to you in determining the intermediate best suited to your requirements. End product desired, equipment, yield, cost, handling, etc., should be discussed with our technical staff.

QUALITY

The famous Hooker "S" Cell provides a continuous supply of high purity Chlorine. This, plus carefully selected raw materials and the special processing techniques developed over the years, makes Hooker intermediates the highest quality obtainable. This permits substantial savings in manufacturing by eliminating fluctuations due to quality variations.

Data sheets on Hooker Toluene derivatives are available when requested on your company letterhead. Bulletin 320 gives more details on the reactions of these products.

BENZYL CHLORIDE

Synonym ..... Alphachlorotoluene
Formula ..... $C_6H_5CH_2Cl$
Molecular Weight 126.5
Freezing Point ..... −43°C
Distillation Range ..... 5° or less including 179.4°C
Refractive Index, n25/D 1.5365
Specific Gravity, 15.5°/15.5°C 1.107

DESCRIPTION
Colorless to light yellow liquid having a pungent odor. The above data are for the high grade product. Also available as a technical grade with a wider distillation range.

USES
In manufacture of intermediates, dyestuffs, perfume bases, plasticizers, resins, wetting agents, rubber accelerators, gasoline gum inhibitors, pharmaceuticals.

BENZOIC ACID

Synonym ..... Phenylformic Acid
Formula ..... C_6H_5COOH
Molecular Wt. 122.1
Melting Point ..... 122.0°C
Solubility, gms/100 gms
Water at 18°C 0.27
Alcohol at 15°C 32
Ether at 15°C 40

DESCRIPTION
White, odorless, crystalline solid, sold in powdered form. U.S.P. grade meets requirements of U.S. Pharmacopeia XIV. Technical grade does not quite meet these requirements.

USES
Dyestuff intermediate, manufacture of perfumes and pharmaceuticals, manufacture of benzoates; preservative for textile sizing, foods, cosmetic creams, lotions, antiseptics, dentifrices, and other pharmaceuticals.

SODIUM BENZOATE

Synonym ..... Benzoate of Soda
Formula ..... C_6H_5COONa
Molecular Wt. 144.0
Solubility, gms/100 gms
Water at 25°C 62.5
Alcohol at 25°C 2.3

DESCRIPTION
Hooker Sodium Benzoate is a white, odorless, crystalline solid in flake or powdered form. Available in two grades, U.S.P. and Technical.

USES
Chemical intermediate; preservative for foods, and as an antiseptic in pharmaceutical and cosmetic preparations. Also recommended as a corrosion resistant additive for certain solutions.

From the Salt of the Earth

HOOKER ELECTROCHEMICAL COMPANY

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NEW YORK, N. Y. • WILMINGTON, CALIF. • TACOMA, WASH.

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10-910

SODIUM SULFIDE • SODIUM SULFHYDRATE • SODIUM BENZOATE • CAUSTIC SODA • MURIATIC ACID • PARADICHLOROBENZENE • CHLORINE

Di-isobutylene, dms., c.l., works lb. .08¼ - —
l.c.l., works lb. .09 - —
tanks, works lb. .05½ - .06¼
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .37½ - .39½
l.c.l., same basis lb. .38½ - .40½
tanks, same basis lb. .36 - .38
Di-isopropylamine, dms., c.l., frt. alld lb. .45¼ - —
l.c.l., same basis lb. .46¼ - —
tanks, same basis lb. .43½ - —
Dillseed, natural, bgs lb. .10½ - .11
dewhiskered, bgs lb. .13 - .13½
Dimethyl chloroacetal, dms., c.l., works lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Phthalate, dms., c.l., dlvd lb. .23½ - .24½
l.c.l., dlvd lb. .24½ - .25½
tanks, dlvd lb. .22 - .23
Sebacate, dms., c.l., works lb. .69½ - —
l.c.l., works lb. 70 - —
tanks, works lb. .68 - —
Sulphate 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16½ - —
Dimethylamine, 25%-40% dms., cl., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .37½ - .38½
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l. lb. .25 - —
tanks lb. .21 - —
Dimethylethanolamine, dms., c.l., dlvd lb. 1.43 - —
l.c.l., dlvd. lb. 1.45 - —
tanks, dlvd. lb. 1.40 - —
Dinitroanilin, dms., frt. equald lb. .52 - .55
Dinitrobenzene, crude, dms lb. .17 - —
purified, dms lb. .18½ - —
Dinitrochlorobenzene, 48° C m.p., dms., c.l lb. .13½ - .14¼
l.c.l. lb. .14 - .15
tanks lb. .13¼ - .14¼
Dinitrophenol, bbls lb. .31 - —
Dinitrotoluene, oily, dms lb. .09½ - —
refd., dms. lb. .19 - —
Dinonylnaphthalene, c.l., dms., work. lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl adipate, dms., c.l., works, frt. alld lb. .42 - —
l.c.l., same basis lb. .43 - —
tanks, same basis lb. .40½ - —
Phthalate, dms., c.l., frt. alld lb. .37½ - —
l.c.l., frt. alld lb. .38½ - —
tanks, frt. alld lb. .36 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½ - —
tanks, same basis lb. .23½ - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - —
l.c.l., same basis gal. .36 - —
N. Y. whse. gal. .46 - —
tanks, works, South gal. .20 - —
steam-dist., dms., c.l., works, south gal. .35 - —
l.c.l., works, South gal. .46 - —
dlvd. N. Y. gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .62
Phthalate, dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, bbls lb. .27 - —
Diphenylguanidin, dms., ton lots lb .39 - —
smaller lots lb .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 - 3.50
Dipropyleneglycol, dms., c.l., frt. alld lb. .14½ - —
l.c.l., same basis lb. .15½ - —
tanks, same basis lb. .13 - —
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16½ - —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton 68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls. lb. .20 - .24
imp., NF, cut, bls. lb. .25 - .30
Dogwood bark, Jamaica lb. .10 - .14
Dragon's blood, drops, cs. lb. .45 - .47
mass, cs. lb. .90 - 1.00
reeds, cs lb. 1.75 - 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 17.00 - 17.60
Green, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 22.20 - 22.85
No. 3, cns. lb. 35.25 - 35.90

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Orange, FD&C, No. 1, cns. lb 3.65 - 3.75
No. 2, cns lb 4.55 - 4.75
Red, FD&C, No. 1, cns. lb 7.55 - 7.85
No. 2, cns. lb 4.00 - 4.10
No. 3, cns. lb. 22.20 - 22.85
No. 4, cns. lb 7.20 - 7.50
No. 32, cns. lb 5.30 - 5.40
Violet, FD&C, No. 1, cns lb. 16.10 - —
Yellow, FD&C, No. 1, cns. lb. 10.50 - 11.05
No. 3, cns. lb 3.30 - 3.40
No. 4, cns. lb 3.30 - 3.40
No. 5, cns. lb 4.00 - 4.10
No. 6, cns. lb 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns. lb. 10.95 - —
Blue, D&C, No. 4, cns. lb. 13.55 - —
Brown, D&C, No. 1, cns. lb. 16.10 - —
Green, D&C, No. 5, cns. lb. 16.10 - —
No. 6, cns. lb. 16.10 - —
No. 7, cns. lb. 14.80 - —
Orange, D&C, No. 3, cns. lb. 10.95 - —
No. 4, cns. lb. 20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb. 20.70 - —
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb. 10.95 - —
No. 18, cns. lb. 24.00 - —
No. 19, cns. lb. 20.05 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb. 10.95 - —
No. 28, cns. lb. 24.65 - —
No. 33, cns lb. 17.45 - —
Violet, D&C, No. 2, cns. lb. 16.10 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Yellow, D&C, No. 7, cns. lb. 10.95 - —
No. 8, cns. lb. 10.95 - —
No. 10, cns. lb. 13.50 - —
No. 11, cns. lb. 13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb. 14.65 - —
No. 37, cns. lb. 13.55 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext. D&C, No. 1, cns. lb. 16.10 - —
Green, Ext. D&C, No. 1, cns. lb. 16.10 - —
Red, Ext. D&C, No. 1, cns. lb. 13.50 - —
Yellow, Ext. D&C, No. 1, cns. lb. 10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G lb. .76 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .90 - —
79 Ponceau R. lb. .68 - —
151 Orange II. lb. .44 - —
165 Red lake C. lb. 1.05 - —
179 Azo rubine lb. .99 - —
176 Red lake A lb. .80 - —
180 Diamond blue 3B lb. .84 - —
185 Cochineal red A lb. .85 - —
202 Chrome blue black R. lb. .62 - —
203 Chrome black T lb. .72 - —
208 Sulphon acid blue R. lb. .83 - —
216 Acid alizarin red B. lb. .77 - —
234 Resorcin brown lb. .82 - —
246 Naphthol blue black lb. .78 - —
278 Benzo fast red SBL lb. 2.74 - —
289 Sulphon cyanine 5R extra lb. 1.00 - —
296 Diamond black F lb. 1.78 - —
304 Nerol 2B lb. 1.84 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—
326 Benzo fast orange S lb. 1.45 - —
332 Bismarck brown R lb. .78 - —
365 Chrysophenine lb. 2.14 - —
382 Diamine black BH lb. 1.51 - —
401 Diamine black BH lb. .58 - —
406 Benzo blue 2B conc. lb. .98 - —
419 Diamine fast red F lb. 1.05 - —
420 Diamine brown M lb. .82 - —
448 Benzo purpurine 4B lb. 1.08 - —
518 Diamine sky blue FF lb. 1.48 - —
561 Trisulphon brown B lb. 1.78 - —
581 Direct deep black EW extra, lb. .81 - —
593 Diamine green B lb. .60 - —
596 Congo brown G lb. 1.20 - —
620 Sun yellow lb .84 - —
639 Xylene light yellow lb. 1.77 - —
640 Tartrazine lb. 1.34 - —
655 Auramine lb. 1.69 - —
657 Malachite green lb. 1.93 - —
662 Brilliant green lb. 2.55 - —
667 Brilliant milling green B lb. 3.27 - —
671 Glaucine lb. 1.54 - —
680 Methyl violet B lb. .95 - —
681 Crystal violet lb. 1.91 - —
698 Formyl violet S4B lb. 1.51 - —
720 Chrome azurol B lb. 3.60 - —
729 Victoria blue B lb. 2.48 - 2.68
737 Wool green S lb. 2.14 - —
749 Rhodamine B lb. 3.85 - —
814 Chloramine yellow lb. 2.76 - —
841 Safranine lb. 2.58 - —
865 Nigrosine WSJ 78 lb. .60 - —
922 Methylene blue GXX lb. 1.28 - —
969 Hydron blue R lb. .72 - —
978 Sulphur black T extra lb. .28½ - —
1027 Alizarin VI lb .64 - —
1034 Alizarin red S lb 2.30 - —
1054 Alizarin saphiro B lb. 2.59 - —

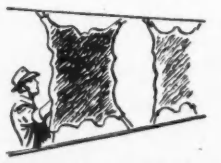
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):
1078 Alizarin cyanine green lb 2.61 - —
1085 Alizarin blue black B lb 2.13 - —
1090 Indanthrene golden orange G, single paste lb 1.96 - —
double paste lb 3.92 - —
1099 Indanthrene dark blue BO single paste lb. 1.72 - —
1101 Caledon jade green lb 2.32 - —
1106 Indanthrene blue RS, double paste lb. 2.52 - —
1113 Indanthrene blue GCD, double paste lb. 1.72 - —
1150 Indanthrene olive R, single paste lb. 1.06 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb 1.57 - —
p-4 Acid anthracine brown P G lb. 2.48 - —
p-14 Anthracene chromate brown EB lb. 1.25 - —
p-24 Benzo fast black L lb. 1.94 - —
p-80 Diazo brilliant scarlet ROA lb. 2.55 - —
p-202 Zambesi black V lb. .97 - —
p-244 Celliton scarlet B lb. 1.25 - —
p-313 Naphthol AS-SW lb. 2.74 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No. 550 lb. 72 - —
Jet, No. 551 lb. 79 - —
Brown, R, conc lb 1.44 - —
Orange R, brilliant lb. 80 - —
Red 4 B, conc lb 1.22 - —
Yellow, C lb. 1.05 - —
FN, conc lb 1.08 - —

Dow Serves American Industry

EPSOM SALT, tech.

Epsom salt is used in the dyeing and printing of textiles.



Epsom salt assists in the tanning of sole leather.

It is a bleach stabilizer in paper making.

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New York.....PLaza 7-8300
Philadelphia...Rittenhouse 6-2280
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DOW
CHEMICALS
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Dyes, Coaltar, for Stains, Spirit-Soluble—Furfural

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms., sellers' works.
- Auramine, O ... lb 1.09 - —
- Black, basic, blue ... lb 1.08 - —
- Jet ... lb 1.08 - —
- Blue, methylene, 2 B, conc lb 1.42 - —
- Brown, Bismarck, R conc lb .78 - —
- Chrysodine, R, extra ... lb .55 - —
- Y, extra ... lb .59 - —
- Fuchsine, conc ... lb 2.82 - —
- Green, malachite, conc ... lb 1.93 - —
- Rhodamine, B ... lb 3.97 - —
- Safranine, Y, conc ... lb 2.66 - —
- Violet, methyl, B ... lb 1.01 - —

Dyes, coaltar, for stains, water-soluble, 100-lb dms. sellers' works
- Black, acid blue B extra lb .76 - —
- Orange, acid, Y, conc ... lb .42 - —
- Rhodamine azo R extra conc.
- Rhodamine, R, extra, conc lb 3.97 - —
- Scarlet, croceine, MOO ... lb 1.33 - —
- Yellow, azo-, conc ... lb .82 - —
- Fast light, 3 G, extra ... lb 1.30 - —
- Methanil, conc ... lb .83 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

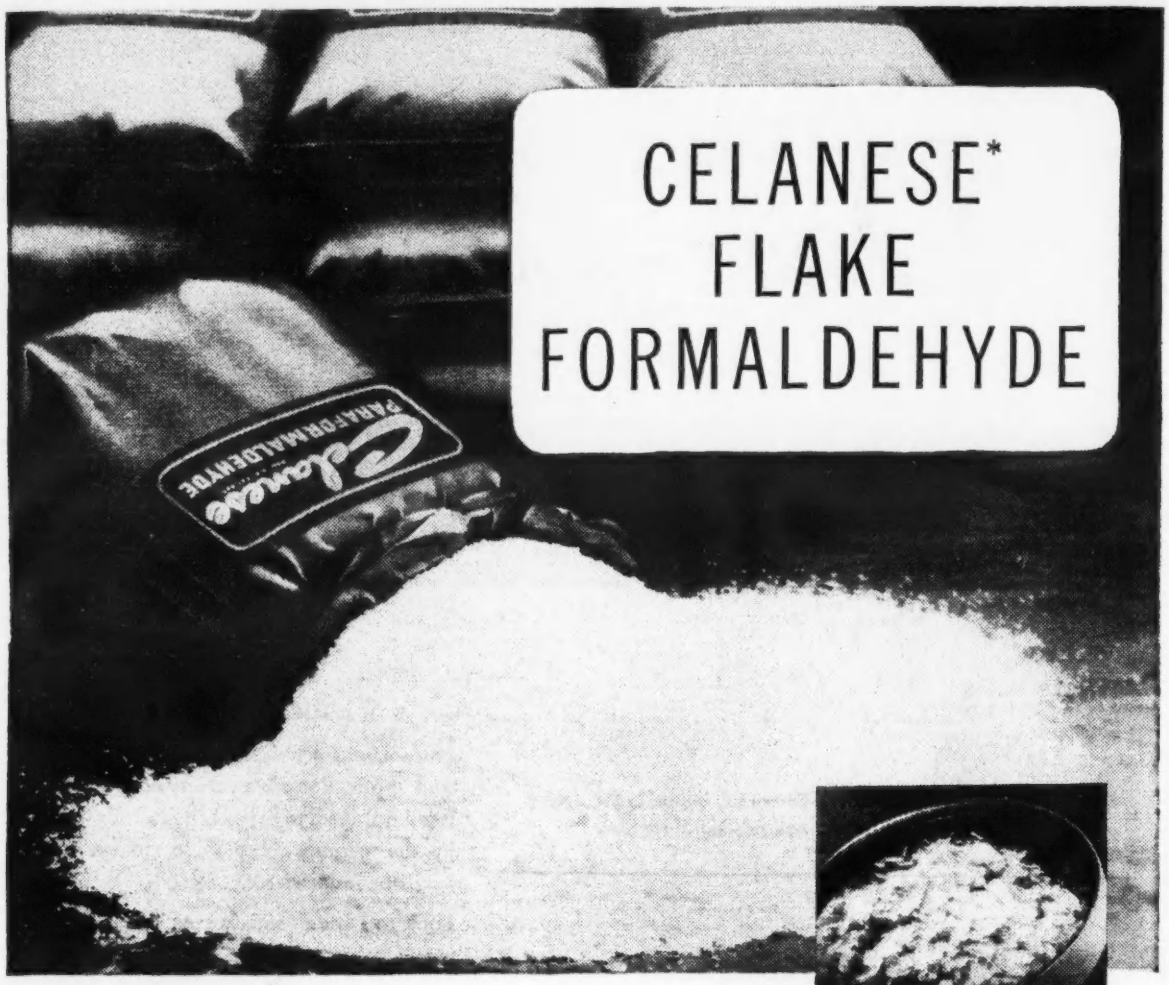
- Echinacea root, bls ... lb .45 - .55
- Egg albumen (see Albumen).
- Yolk, dried, dom., bbls ... lb 1.09 - 1.12
- Chinese, spot, bbls, duty paid lb .80 - .85
- tanners, bbls ... lb .06½ - .07
- Elder flowers, bright, bls ... lb .40 - .50
- Elecampane root, bls ... lb .22 - .25
- Elm bark, grinding, bls ... lb .30 - .35
- powd., bbls., bxs ... lb .40 - .45
- select, bndls ... lb .55 - .60
- Emetine hydrochloride, USP, bots ... oz.37.50 -40.00
- Ephedra herb, bls ... lb .30 - .32
- Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - —
- nydrous, bots., 100 ozs oz. .92 - —
- Hydrochloride, tin, 100 ozs oz. .75 - —
- Sulphate, cryst., tins, 100 ozs. oz. .72 - —
- powd., tins, 100 ozs oz. .73 - —
- Epichlorohydrin, dms., c.l., works lb. .36¾ - —
- l.c.l., works ... lb. .37½ - —
- tanks, works ... lb. .35 - —
- Epinephrine, synth., USP, bots., 100 grams gram .45 - —
- Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 - —
- l.c.l., works ... 100 lbs. 2.90 - 3.15
- USP, cryst., bgs., c.l., works ... 100 lbs. 2.35 - —
- l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
- smaller lots 100 lbs. 3.35 - —
- Ergot, NF, dms., tin-lined ... lb. 3.75 - 4.50
- Eserine, bots. ... oz.45.00 -50.00
- Salicylate, USP, bots ... oz.33.00 -34.00
- Sulphate, bots ... oz.36.00 -37.00
- Ether, acetate (see Ethyl acetate)
- Butyl, dms., c.l., works ... lb. .32½ - —
- l.c.l., works ... lb. .33 - —
- tanks, works ... lb. .31 - —
- Butyric (see Ethyl butyrate).
- Dichloroethyl, purif., dms., works, lb., 7½ - —
- l.c.l., same basis ... lb. .17 - —
- tanks, same basis ... lb. .15 - —
- Divinyl, USP, anesthesia, bots., 50 cc, hospitals bot. 1.00 - —
- 75 cc, hospitals ... bot. 1.56 - —
- NF, dms., dlvd ... lb. .25 - —
- Ether, ethyl, absolute, ACS, dms lb. .30 - —
- anesthesia, USP, hospital, cns, lb. .78 - .90
- Industrial, USP, dms., c.l., dlvd, lb. .10½ - —
- l.c.l., same basis ... lb. .12½ - —
- tanks, same basis ... lb. .08½ - —
- synthetic, dms., incl., dlvd, East, lb. .12 - —
- l.c.l., same basis ... lb. .14 - —
- tanks, same basis ... lb. .10 - —
- Isopropyl, dms., c.l., dlvd ... lb. .06¼ - —
- l.c.l., dlvd ... lb. .07 - —
- tanks, dlvd ... lb. .04½ - —
- Nitrous, conc., bots., 100 lbs ... lb. 1.03 - 1.10
- Ethyl acetate, natural, fermentation, 85-88%, dms., c.l. frt. alld, lb. .10¾ - —
- l.c.l., frt. alld ... lb. .11¾ - —
- tanks, frt alld ... lb. .09 - —
- 95-98%, dms., c.l., frt. alld lb. .11 - —
- l.c.l., frt. alld ... lb. .12 - —
- tanks, frt alld ... lb. .09¼ - —
- 99%, dms., c.l., frt. alld lb. .11¼ - —
- l.c.l., frt. alld ... lb. .12¼ - —
- tanks, frt. alld ... lb. .09½ - —
- NF, dms., frt. alld ... lb. .25 - —
- synthetic, 85-90%, dms., c.l., frt. alld lb. .11¾ - —
- l.c.l., frt. alld ... lb. .12¾ - —
- tanks, frt. alld ... lb. .10 - —
- 95-98%, c.l., frt. alld ... lb. .12 - —
- l.c.l., frt. alld ... lb. .13 - —
- tanks, frt. alld ... lb. .10¼ - —
- 99%, dms., c.l., frt. alld lb. .12¼ - —
- l.c.l., frt. alld ... lb. .13¼ - —
- tanks, frt. alld ... lb. .10½ - —
- Acetoacetate, dms., c.l., dlvd lb. .47½ - —
- l.c.l., dlvd ... lb. .48½ - —
- tanks, dlvd ... lb. .46 - —
- Acrylate, dms., c.l., and truckload, works lb. .49 - —
- less than truckload, works ... lb. .49½ - —
- tanks, works ... lb. .48 - —
- Ethyl benzoate, dms ... lb. .70 - .75
- Betaethoxypropionate, dms, works lb. .70 - —
- Bromide, tech., 98%, dms ... lb. .39 - .41
- Butyrate, bots ... gal. 5.10 - 5.85
- cns., works ... lb. .68 - .80
- dms., works ... lb. .60 - —
- Carbamate (see Urethane).
- Chloride, tech., dms., c.l., frt. alld, E ... lb. .16 - .18
- l.c.l., same basis ... lb. .18 - .20
- tanks, same basis ... lb. .13½ - —
- USP, bbls., cyl ... lb. .20 - .22
- Cinnamate, cns. ... lb. 2.25 - 2.50
- Formate, dms ... lb. .55 - .65
- Iodide, bots., works ... lb. 3.88 - 4.27
- Lactate, dms., works ... lb. .41 - —
- Methacrylate, dms., c.l. and truckload, works lb. .50 - —
- less than truckload, works lb. .50½ - .60
- Nitrite (see Ether, nitrous)
- Oenanthate, dms ... lb. .95 - 1.50
- Oleate, dms., c.l., works lb. .53 - —
- Oxalate (see Diethyl oxalate).
- Silicate, dist (see Tetraethyl-orthosilicate)
- 40% available SiO_2, dms, works, lb. .55 - —
- Ethylaiphanaphthylamine, dms lb. .80 - —
- Ethylanilin, dms. ... lb. .50 - —
- Ethylbenzene, dms., c.l. ... lb. .14 - —
- l.c.l. ... lb. .15 - —
- tanks ... lb. .13 - —
- Ethylbutyl ketone, dms., c.l., works, lb. .31½ - —
- l.c.l., works ... lb. .32 - —
- tanks ... lb. .30 - —
- Ethylcellulose, 6b dms, 5,000 lbs., works lb. .54 - —
- smaller lots, works ... lb. .56 - .64
- Ethylene dichloride, dms, c.l., works, frt. alld, E. of Rockies lb .09½ - —
- l.c.l., works, frt. alld E of Rockies lb. .10½ - —
- tanks, frt. alld., E. Rockies lb 08 - —
- Prices West of Rockies, 1c. per lb. higher.
- Oxide, cyls., c.l., frt. alld ... lb. .23¾ - —
- l.c.l., frt. alld ... lb. .24¾ - —
- tanks, frt. alld ... lb. .16¾ - —
- Trichloride (see Trichloroethane)
- Ethylenediamine, dms., c.l., works lb. .42 - —
- l.c.l., works ... lb. .42½ - —
- tanks, works ... lb. .40 - —
- Ethyleneglycol, dms., c.l., frt. alld, E lb. .18 - —
- l.c.l., same oasis ... lb. .17 - —
- tanks, same basis ... lb. .14½ - —
- Diethylether, dms., l.c.l. works lb. .55 - —
- Monobutylether, dms., c.l., works lb. .20 - —
- l.c.l., works ... lb. .20½ - —
- tanks, works ... lb. .18½ - —
- Monoethylether, dms., c.l., works, lb. .18 - —
- l.c.l., works ... lb. .18½ - —
- tanks, works ... lb. .16½ - —
- Monoethylether acetate, dms., c.l., works lb. .16 - —
- l.c.l., works ... lb. .16½ - —
- tanks, works ... lb. .14½ - —
- Monomethylether, dms., c.l., works, lb. .19½ - —
- l.c.l., works ... lb. .20 - —
- tanks, works ... lb. .18 - —
- Monomethylether acetate, dms., c.l., works lb. .24½ - —
- l.c.l., works ... lb. .25 - —
- tanks, works ... lb. .23 - —
- Monostearate, dms. ... lb. .33 - —
- Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss lb. .33¾ - —
- l.c.l., same basis ... lb. .34¾ - —
- tanks, same basis ... lb. .32 - —
- Ethylmorphine hydrochloride, USP bots oz.11.85 - —
- Ethylorthotoluidine, bbls. ... lb. .80 - —
- Ethyltoluidin, cns., 3 lbs or more lb 6.75 - —
- smaller lots ... lb 6.80 - 6.90
- Eucalyptol, USP, cns., dms ... lb 1.25 - 2.05
- Eucalyptus leaves, bls ... lb .10 - .14
- Eugenol, pure, USP, cns ... lb. 2.50 - 2.95
- Euphorbia, pil., herb., bls ... lb. .15 - .18

F

- Feldspar enamel, 100 mesh, bgs., works ton.20.00 -22.00
- Glass, 20 mesh, bulk, tons, works, ton.11.75 -12.50
- Pottery, bgs., ton lots, works ton.20.00 -22.00
- bulk, c.l., works ... ton.18.00 -20.00
- Fennel seed, Czech, dark, bgs ... lb. .10½ - .11
- French, bgs. ... lb. .11 - .11¼
- Indian, bgs ... lb. .12 - .12¼
- Fenugreek, domestic, bgs ... lb. No stocks.
- Indian, bgs ... lb. .11 - 11¼
- Morocean, bgs ... lb. .06½ - .07
- Syrian, bgs. ... lb. .06¼ - .06¾
- Ferric-ammonium citrate (see iron-ammonium citrate)
- Ferric cacodylate (see iron cacodylate).
- Ferric glycerophosphate (see iron-glycerophosphate).
- Ferric hypophosphite (see iron hypophosphite).
- Ferric sulphate (see iron sulphate, ferric).
- Film scrap, colored, cs., works lb. .11½ - —
- water-white, cs., works ... lb. .13½ - —
- Fir balsam, Canada, cns ... gal.32.50 -33.00
- Oregon, bbls. ... gal. 2.35 - 2.60
- Fishberries, bgs ... lb. .20 - .25
- Fishliver oil (see Oil, fishliver).
- Fishmeal, ground, 60% protein, bgs., Balto. area ton.130.00 - —
- Fishscrap, dried, 60% protein, bulk, Balto. area ton.122.50 - —
- Fleaseed (see Psyllium seed).
- Fringetree bark, bls ... lb. .42 - .45
- Fluorspar, acid grade, bgs., c.l., mines ton.47.50 - —
- l.c.l., mines ... ton.49.50 - —
- bulk, contract, c.l., mines ton.42.00 - —
- noncontract, c.l., mines ton.43.00 - —
- l.c.l. mines ton.47.00 - —
- ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines, net ton.39.00 -41.00
- powd., 90-92% ... ton.41.00 - —
- foundry grade, lump, 65-60%, ton.34.00 - —
- washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton.35.00 -37.00
- 65%, bulk, c.l., mines ... ton.34.00 -36.00
- 60%, bulk, c.l., mines ... ton.33.00 -35.00
- less than 60%, bulk, c.l., mines, ton.32.00 -34.00
- Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0570- —
- l.c.l., E. works ... lb. .0620- —
- tanks, E. works ... lb. .0370- —
- methanol-free (uninhibited), tanks, works lb. .0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware, in states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

- Fuller's earth, dom., powd., bgs., c.l., Fla., Ga mines ton.30.00 - —
- Tex., mines ... ton.27.00 - —
- spent, bulk, Bayonne ... ton 2.00 - 4.00
- imported, bgs., c.l. ... ton.30.00 -40.00
- Furfural, tech., dms., c.l., works lb. .12 - —
- l.c.l., works ... lb. .14 - —
- tanks, works ... lb. .09¾ - —



...it may be just what your processing needs

Are you searching for processing shortcuts? Flake Formaldehyde, developed by Celanese, may supply the answer to your problem as it has for many processors in fields ranging from modified and high solids resins to fine chemical synthesis.

Flake Formaldehyde is formaldehyde in its most available and easily stored form. Its low water content—less than 9%—is a necessity where almost anhydrous conditions are required and a time and money saver when water must be removed from the final product.

In addition, Celanese* Flake Formaldehyde eliminates the need for heated formalin storage tanks. It is available in multiwall bags and fibre drums... offers easy, dustless handling.

We'd like to talk to you about your particular problems . . . tell you about other advantages that flake has to offer. Call your Celanese representative, or write: Celanese Corporation of America, Chemical Division, Dept. 66G, 180 Madison Ave., New York 16.

Celanese® CHEMICALS

*Reg. U. S. Pat. Off.

ACIDS • ALCOHOLS • ALDEHYDES • GLYCOLS • KETONES • PLASTICIZERS • SOLVENTS

Fusel oil, refined, dms., c.l., dlvd lb. .23¾- —
l.c.l., dlvd lb. .24¾- —
tanks, dlvd lb. .22 - —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .42½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l. lb. .38½- —
liquid, No. 0, bbls., l.c.l. lb. .22 - —
No. 1, bbls., l.c.l. lb. .20½- —
No. 2, bbls., l.c.l. lb. .19½- —
No. 3, bbls., l.c.l. lb. .17 - —
solid, No. 1, bxs., l.c.l. lb. .28 - .40

G

G salt, bbls lb. .59 - .60
Galangal root, bls lb. .22 - .25
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .105 - —
Bayonne, 83 octane, tanks gal. .116 - —
Gulf coast, 82 octane, tanks gal. .105 - .11
Group 3, 82 octane, tanks gal. .10125- .10375
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .1275- —
natural, 26-70 octane group 3, tanks gal. .05125- —
Gelatin, silver tabel, imported, cs lb. 1.15 —
Gelsemium root, bls lb. .25 - .30
Gentian root, bls lb. .13 - .17
grd., bbls., bxs lb. .17 - .18
powd., bbls., bxs lb. 18 - 21
Geraniol, extra, cns., dms. lb. 2.60 - 3.00
prime lb. 2.20 2.40
Geranyl acetate, cns lb. 2.60 - 3.00
Ginger, oleoresin, NF, from African root, bots. lb. 8.25 - 9.50
from Jamaican root lb. 10.50 -12.85
Root, African, bls lb. .45 - .46
May-June shipment, bgs lb. .38 - .39
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs lb. .52 - .52½
Jamaica, No. 1, bgs lb. .62 - .63
No. 2, bgs lb. .60 - .61
No. 3, bgs lb. .57 Nom.
Rhattoon, bgs lb. .51 - .52
Nigerian, split, bgs lb. .35 - .36
Ginseng root, cs lb. 12.00 -16.00
Glauber's salt, annyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., bgs., works 100 lbs. 1.75 - 2.00
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .18½- —
65 jellygrams, bgs., c.l., same basis lb. .20 - —
80 jellygrams, bgs., c.l., same basis lb. .21 - —
110 jellygrams, bgs., c.l., same basis lb. .22 - —
130 jellygrams, bgs., c.l., same basis lb. .23 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .24 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l., (50,000 lbs.), dlvd lb. .20½- —
l.c.l., same basis lb. .21½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .22 - .25
122-149, bgs., c.l., dlvd lb. .23 .26
150-177, bgs., c.l., dlvd lb. .24 .27
178-206, bgs., c.l., dlvd lb. .25 .29
207-236, bgs., c.l., dlvd lb. .26 - .30
237-266, bgs., c.l., dlvd lb. .27 - .31
267-296, bgs., c.l., dlvd lb. .28 .32
299-330 bgs., c.l., dlvd lb. .29 - .33
331-362, bgs., c.l., dlvd lb. .30 - .33
363-394, bgs., c.l., dlvd lb. .31 - .34
lb. .31 - .34
395-427, bgs., c.l., dlvd lb. .32 .35
428-460, bgs., c.l., dlvd lb. .33 .36⅛
461-494, bgs., c.l., dlvd lb. .34 .33
495-529, bgs., c.l., dlvd lb. .35 .39
Hide glue, l.c.l., prices 1c. higher than c.l.; bbls., ½c more than bgs.
Glycerin, crude, saponification 88% to refiners, tanks, dlvd lb. No prices.
soaplye, 80%, tanks, dlvd lb. No prices.
dynamite, dms., c.l., dlvd lb. .29 - —
l.c.l., dlvd lb. .29½- —
tanks, dlvd lb. .28½- —
high gravity, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .29¾- —
tanks, dlvd lb. .28¾- —
refined, BP, 98%, dms., c.l., dlvd, lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
USP, c.p. 95% dms., c.l., dlvd. lb. .29¾- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .29¼- —
yellow, distilled, dms., c.l., dlvd. lb. .29⅛- —
l.c.l., dlvd lb. .30⅛- —
tanks, dlvd lb. .28⅝- —
Glycine USP (see Acid aminoacetic).
Glyoxal, 30%, dms., c.l., works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots. oz. 22.50 -23.00
acid-yellow, bots oz. 20.50 - —
Gold of pleasure seed, bgs lb. 40 - .41
Goldenseal root, bls lb. 3.25 - 3.50
powd., bxs lb. 3.75 - 4.00
Gold-sodium chloride, photo, bots. oz. 13.00 -14.00
USP IX, bots oz. 14.50 -15.50
Grains of paradise, bgs lb. .45 - .46
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline, 88-90%, powd., bgs., ex whse lb. No prices.
90-92%, powd., bgs., ex whse, lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
flake, No. 1 90-95%, bgs., ctns., ex whse lb. No prices.
No. 2, whse lb. No prices.
Grease, house, loose, dlvd lb. .05¼- —
White, choice, loose lb. .07¼- —
Wool (see Degras and Lanolin).
Yellow, loose lb. .05¾- —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 - 4.50
16-20%, bbls., same basis lb. .38½- —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd, N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .32 - —
6-10%, bbls., same basis lb. .33 - —
11-15%, bbls., same basis lb. .34 - —
16-20%, bbls., same basis. lb. .34½- —
21-25%, bbls., same basis lb. .35¼- —
26-30%, bbls., same basis lb. .35¾- —
31-35%, bbls., same basis lb. .36¾- —
36-40%, bbls., same basis lb. .38½- —

Green, chrome, CP, color content 41-45%, bbls., same basis lb. .40 - —
46-50%, bbls., same basis lb. .22¼- —
50% and over, bbls., same basis lb. .42¾- —
reduced color, 5%, bbls., same basis lb. .12½- —
6-10%, bbls., same basis lb. .13¼- —
11-13%, bbls., same basis lb. .13¾- —
14-16%, bbls., same basis lb. .14½- —
17-19%, bbls., same basis lb. .14¾- —
20-21%, bbls., same basis lb. .13 - —
22-23%, bbls., same basis lb. .15¼- —
24-25%, bbls., same basis lb. .15¼- —
26-27%, bbls., same basis lb. .15¾- —
28-29%, bbls., same basis lb. .16¼- —
30-31%, bbls., same basis lb. .17¼- —
32-33%, bbls., same basis lb. .18½- —
34-35%, bbls., same basis lb. .19½- —
36-40%, bbls., same basis lb. .41¾- —
41-45%, bbls., same basis lb. .24½- —
46-50%, bbls., same basis lb. .26 - —
51-55%, bbls., same basis lb. .25¾- —
56-60%, bbls., same basis lb. .26¼- —
61-65%, bbls., same basis lb. .27¼- —

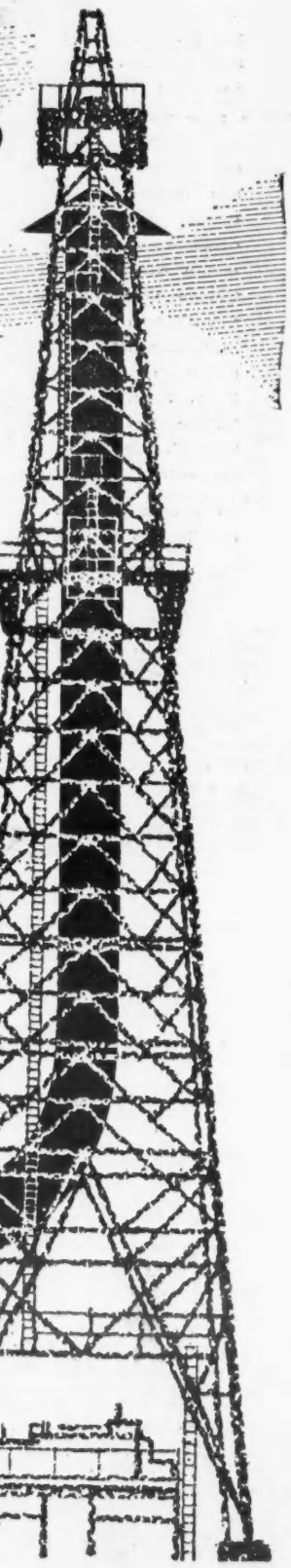
Green, chrome, reduced color, 66-70%, bbls., same basis lb. .28½- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P)
Phthalocyanin toner, bbls., works, lb 4.40 5.00
Tungstated, brilliant, kgs. lb. 3.00 - 4.00
Emerald, kgs lb 2.60 -
Grindelia robusta herb, bls. lb. .24 .30
Guaiac resin, NF, cs. lb. .60 - .65
ordinary, cs. lb. .49 - .51
Wood, bls lb. .35 .36
Guaiacol, cryst., tins lb No prices.
Liquid, NF, bots., cbys. lb. 1.90 - 1.95
Carbonate, dms lb 2.95 - 3.00
Guarana, powd., cs lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.).
Ammoniac, tears, cs lb. .90 - .93
Arabic, amber, sorts, bgs. lb. .12 - .13½
powdered, USP, bbls. lb. .20½- .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .50 - .70
Camphor (see C).

Gum, copal, Congo, No. 1, bgs. lb. .25 - .34
No. 2, bgs. lb. .20 - .21
No. 3, bgs. lb. .17 - .18
Manila, toba, B, bgs. lb. No prices.
C, bgs. lb. .26 - .27
CBB, bgs. lb. .23 - .24
CNE, bgs. lb. No prices.
DBB, bgs. lb. .22 - .23
DK, bgs. lb. .13 - .14
dust, bgs. lb. No prices.
soft, MA, bgs lb. .15 - .16
WS, bgs. lb. No prices.
Philippine, pale, chips, bgs. lb. .21 - .22
nubs, bgs. lb. .24 - .25
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17 - .18
Pontianak, chips, bgs. lb. .14 - .16
nubs, bgs. lb. .25 - .27
Dammar, Batavia, A/D, bgs. lb. .26 - .30
A/E, bgs. lb. .23 - .24
dust, bgs. lb. .12 - .13
E, bgs. lb. .12½- .13⅛
East India, batu, bold, bgs lb. .09 - .10
nubs and chips, bgs lb. .06 - .07
black, bold, bgs lb. .11 - .12
unscraped, bgs. lb. .09 - .10
nubs and chips, bgs. lb. .09 - .10
pale, chips, bgs lb. .11 - .13
nubs, bgs. lb. .20 - .22
Singapore, No. 1, bgs lb. .26 - .30
No. 2, bgs lb. .20 - .21
No. 3, bgs. lb. No prices.
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .12½- .13⅛
Elemi, cns. lb. .22 - .23
Ester, gum-rosin type, dms., c.l., dlvd, Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .12 - .12⅛
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc lb. .12 - .12⅛

The case of the

REJUVENATED OIL WELLS

how Mallinckrodt helped production spurt as much as 167%!



To increase the flow of sluggish wells, petroleum engineers recently devised a new process of fracturing the surrounding underground formations by hydraulic pressure.

It required a unique gelling agent: one that would (1) quickly gel petroleum fractions (gasoline, kerosene, etc.) at outdoor temperatures with ordinary mixing equipment . . . (2) hold the gel for a few hours when pumped down the well under pressures extreme enough to crack rock and carry suspended sand deep into the fissures . . . (3) then allow the mixture to re-liquefy, leaving the sand to prop open the newly-made oil channels.

To meet all three tough requirements, Mallinckrodt laboratories developed an entirely new gelling agent. Result: higher oil production.

Whatever your products, you too may be able to cut costs, improve quality, increase output, if you utilize our 83 years' experience with more than 1500 fine chemicals.

What is your problem?

MALLINCKRODT CHEMICAL WORKS

Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York, N. Y.

CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES • MONTREAL • PHILADELPHIA • SAN FRANCISCO

Manufacturers of Medicinal, Photographic, Analytical and Industrial Fine Chemicals

PRODUCTION INCREASE AS MUCH AS 167%

Gum, Euphorbium—Manganese Chloride

Gum, euphorbium, cs. lb. .35 - .40
Galbanum cs. lb. .75 - .80
Gamboge, pipe, cs. lb. 1.00 - 1.05
powd., bbls. lb. 1.15 - 1.20
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .49 - .54
No. 2 lb. .45 - .46
No. 3 lb. .34 - .35
Kauri, bgs. lb. .31½- .32¾
Locust bean, powd., bgs lb 2.25 - 2.50
Mastic, cs. lb. .30 - .35
Myrrh, cs. lb. .12 - .13
Olibanum, siftings, cs. lb. .16 - .30
tears, cs. lb.
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. 1.95 - 2.25
Scammony, cs. lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs. lb. 2.75 - 3.00
No. 2, cs lb. 2.50 - 2.75
No. 3, cs lb. 1.75 - 2.00
powdered, USP, bbls. lb. 1.35 - 1.45
Yacca, bgs. lb. .05½- .06½

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald. ton.17.00 - —
Sweetwater, Tex., frt equald ton.21.45 - —

Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton.12.50 - —
Blue Rapids, Kans., frt. equald ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt. equald ton.18.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt equald ton.12.50 - —

Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Cypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —

Terra alba, paper bags, c.l., Harlem River, N. Y. works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs lb. .39 - .45
Heliotropin, cryst., cns lb. 3.00 - 3.25
Hellebore root, dom., green, bls lb. .55 - .60
imp., black, whole, bls. lb. .20 - .25
ground, bxs. lb. .25 - .30
powder, bxs. lb. .27 - .32
white, whole, bls. lb. .30 - .40
powder, bxs. lb. .35 - 45
Helonias root, bls. lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, bbls., l.c.l. lb. .44½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l. lb. .38½- —
No. 4, bbls., l.c.l. lb. .36½- —
No. 5, bbls., l.c.l lb .34½- —
paste, No. 1, bbls., l.c.l. lb .19 - —
No. 2, bbls., l.c.l. lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls. lb. .30 - .35
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs. lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .16½- —
group 3, tanks gal. .12½- .13½
Hesperidin methylchalcone, works. lb.50.00 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs. c.l., Perth Amboy or N.Y.C., lb. .22 - —
l.c.l., same basis lb. .22½- —
bbls., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½- —
USP, dms., 500 lbs. or more, same basis lb. .38½- —
smaller lots, same basis lb. .39½- —
Hexamine (see Hexamethylene tetramine)
Hexane, industrial, group 3, tanks, gal. .13½- .14½
Bayonne, N. J., tanks gal. .16½- —
Hexanol, normal, dms., c.l., works lb. .31½- —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Hexylenegiycol, dms., c.l., dlvd lb. .14¼- —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .12½- —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, 50 lbs. up, frt. alld lb.17.00 - —
works lb.15.00 -17.00
smaller lots, frt, alld lb 18.00 - —
works lb.18.00 -20.00
Histamine diphosphate, USP bots kilo.375.00 - —
Histidine hydrochloride—laevo, NF, lb dms., 50 kilo lots, works kilo.100.00 -120.00
1-5 kilos, works kilo.110.00 -130.00
Homatropine hydrobromide, USP, bots. oz.15.00 -16.00
Hydrochloride, bots. oz.20.00 -22.00
Methylbromide, NF oz.13.00 -16.25
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 6.50 - —
Hops, NF, bls. lb .40 - .45
Horehound, herb, bls lb. .17 - .18
Hydrangea root, bls. lb. .14 - .17
Hydrastine, bots. lb.31.00 -37.00
Hydrochloride, NF oz.29.50 -36.00
Sulphate, bots. lb.35.00 -37.00
Hydrastinine, 10-grain bots. bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cans, works lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .05
27½%, cbys., E. of Miss. lb. .17½- .19½
35%, cbys., same basis lb. .23½- .25½
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 - .23½
tanks lb 19¾ -
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms. lb. 70 - —
Hydrovycitronellal, cns. lb. 7.30 - 8.05
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots. oz.15.75 -16.00
Hydrobromide, bots. oz.16.50 -13.00
Sulphate, bots. oz.13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .43 - —
liquid, No. 1, bbls., l.c.l lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l. lb. .44 - —
Hyssop herb, bgs lb. .35 - .45
Leaves, bgs. lb. .45 - .50

I

Iceland moss, bgs lb. .35 - .40
Ichthammol, F, dms lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, bots. lb. .23 - —
powd., bbls. lb. 1.03 - —
Indol, CP, bots. lb.17.00 -19.00
Inositol, dms., dlvd lb 4.90 - —
tins, dlvd. lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.52 - —
resubl., USP., bots., jars lb. 2.30 - 2.41
Iodochlorohydroxyquinolin NF dms. lb 5.90 - —
Iodoform, NF, dms., kgs lb 4.45 - 4.60
Ionone, alpha, cns. lb. 5.55 -13.65
beta, cns. lb. 8.65 -10.00
Ipecac root, bgs lb. 4.10 - 4.50
powd., bgs. lb 4.40 - 5.00
Irish moss, bleached, prime bls. lb .16 - .18
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys. lb. .16 - —
djns. lb. .17 - —
Cacodylate, NF, bots lb.13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works 100 lbs 5.00 - 6.00
l.c.l. bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works lb. .07 - .08½
solut., 42° Be, 100% basis, tanks, works 100 lbs. 3.43 - —
Citrate, gran., dms lb. .77 - .80
Gluconate, NF, dms lb. .83 - .95
Glycerophosphate, N.F., powd lb 4.25 - 4.35
Hypophosphite, NF, dms lb 2.80 - —
Iodide, bgs. lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb .21¼ - 21¾
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. 69 - .72
Reduced (see Iron by hydrogen)
Resinate, 7.4% Fe, dms. frt. alld. lb. .23 - —
Stearate, dms., c.l. lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate, partially hydrated, bgs., c.l., works ton.28.50 - —
l.c.l., works ton.29.50 - —
ferrous, tech. (see Copperas)
USP, cryst. bbls, dms lb 09½ - .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms lb. .55 - .58
Oxalate, dms lb. 25½ - 28½
Iron-potassium oxalate fine gran., dms. lb. 30½ - 33½
Iron-sodium oxalate, fine gran., dms lb. 25½ - 28½
Isoborneol, cns. lb. .84 - .95
Isobornyl acetate, cns. lb. .77 - .97
Isobutyl acetate, cns lb. .72 - 1.25
Methacrylate, dms., works lb. .60 - —
Propionate, cns lb No prices
Isobutyraldehyde, dms., works lb 50 - 53
Isoeugenol, cns. lb. 3.15 - 3.70
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb.24.00 -35.00
Isopentane, dms., works lb 45 - .55
Isophorone, dms., c.l., works lb. .22½- —
l.c.l., works lb. .23 - —
tanks, works lb. .21 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld lb. .10¾- .11¾
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., c.l., works lb. 20 - —
l.c.l., works lb. 40 - —

J

Jaborandi leaves, bls. lb. .15 - .20
Jalap root, NF, bls. lb. .43 - .45
powd., bbls., bxs lb .48 - .50
Resin, NF, powd., bxs. lb 6.20 - 6.60
Juniper berries, bgs lb. .08 - .12
Tar, dms. lb. .40 - .65

K

Kamala, powd., cns lb. .60 - .65
Kaolin (see China clay).
Kava kava root, bls lb 25 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks gal. .08625- —
Bayonne, 41-43 s.g., w.w., tanks, gal. .092 - —
California, 40-43 s.g., w.w., tanks gal. .121 - .126
Kerosene, at ref'y, Gulf ports, 41-43 s.g., w.w., tanks gal. .086 - .0925
Okla.-Tex., 41-43, s.g., w.w., tanks, gal. .085 - .09
Penn., Western, 45 s.g., w.w., tanks gal. .0975- .10
Kola nuts, bgs. lb. .08 - .10
Kyanite, imp., low iron content, 10-mesh, whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Lady slipper root, bls. lb. 1.45 - 1.50
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous lb. .27 - .29
Lard, cash, tres., Chicago lb. .1425- —
Larkspur seed, bgs lb. .20 - .25
Laurel berries, bls lb. .25 - .26
Leaves, Greek, bls lb. .08 - .08½
Turkish, bls. lb. .11 - .11½
Yugoslavian, bls. lb. .08½- .09
Lauryl chloride, dms., works, frt. equald lb. .711 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls. lb. .16 - .20
select, bls. lb. .60 - .65
Lead acetate, white, crystals, bbls., lb. .19 - —
gran., bbls. lb. .19¾- —
powd., bbls. lb. .19¾- —
USP, cryst., dms lb. .21 - —
gran., powd., dms lb. .21¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over lb. .25 - —
l.c.l., frt. alld lb. .26 - .27
1-lb. bgs., c.l., frt. alld. lb. .37½- —
l.c.l., frt. alld lb. .38½- .39½
Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld lb. .12½- —
l.c.l., works lb. .13½- —
Carbonate (see Lead, white).
Chloride, dms. lb. .39 - —
Iodide, NF V, jars lb. 3.30 - —
Linoleate, liq., 13% Pb, dms., frt. alld lb. .29½- —
Metal, pigs, prime, N. Y. lb. .1200- —
St. Louis lb. .1180- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .27½- —
10,000-20,000 lbs., same basis lb. .28 - —
2,000-10,000 lbs., same basis lb. .28½- —
200 to 2,000 lbs., same basis lb. .29 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd. lb. .15 - —
24% Pb, dms., dlvd. lb. .20¼- —
37% Pb, dms., dlvd. lb. .26½- —
Nitrate, bbls., c.l. lb. .19 - —
l.c.l. lb. .19¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .38 - .39
Phthalate, dibasic, dms., works. lb. .37½- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .15 - —
l.c.l., same basis lb. .16 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Resinate, precip., dms., dlvd lb. .25½- —
Salicylate, normal, dms., works lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .14¾- —
Stearate, dibasic, dms., works lb. .50¼- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .24¼- —
Tallate, liquid, 16% Pb, dms. lb. .12½- —
solid, 30% Pb, dms lb. .19¼- —
White, basic carbonate, bgs., c.l., ship't point, frt. alld lb. .14¾- —
l.c.l., same basis lb. .15¾- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .13¾- .16¼
l.c.l., same basis lb. .14¾- .17¼
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .13¼- —
l.c.l., same basis lb. .14¼- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .13½- —
l.c.l., same basis lb. .16½- —
unbleached, c.l., same basis lb. .12½- —
l.c.l., same basis lb. .15½- —
Lemon peel, bls lb. .18 - .20
Leucine dextro-laevo, dms., works lb.26.00 -35.00
Licorice extract, mass, cns lb. .40 - .45
powd., bbls. lb. .55 - —
Root, bls lb. 08 - .09
5-lb bundles, cs lb. .40 - .45
powd. bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06½
Lime, agricultural, bgs., works ton.13.00 -13.50
Chemical quicklime), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ton.10.50 - —
Bellefonte, Pa. ton.10.50 - —
Buffalo N. Y. ton 10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa. ton.10.50 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton 8.50 - —
Hannibal, Mo ton. 7.50 - —
Keystone, Ala ton 9.75 - —
Knoxville, Tenn ton. 9.75 - —
Limedale, Ark ton 9.00 - —
Longview, Ala. ton. 9.75 - —
Martinsburg, W. Va ton.10.00 - —
Menominee, Mich ton 8.00 - —
Mitchell, Ind. ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 7.50 - —
Sherwood, Tenn ton.10.00 - —
Sherwood, Wis. ton 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa ton.10.50 - —
Hydrated, paper bgs., Adams, Mass ton.11.50 - —
Annville, Pa ton 13.50 - —
Bellefonte, Pa ton.13.50 - —
Buffalo, N. Y ton.13.50 - —
Carey, Ohio ton 9.00 - —
Cedar Hollow, Pa ton.13.50 - —
Engle, W. Va. ton.13.00 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton 9.50 - —
Hannibal, Mo ton 9.50 - —
Keystone, Ala ton.13.00 - —
Knoxville, Tenn ton.12.25 - —
Limedale, Ark ton.10.50 - —
Longview, Ala ton.13.00 - —
Manistique, Mich ton. 9.50 - —
Lime, hydrated, paper bgs., Marblehead, Ohio ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Petoskey, Mich ton.10.00 - —
Port Island, Mich ton. 9.00 - —
Rapid City, S. Dak. ton.12.00 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 9.00 - —
Sherwood, Tenn ton.13.00 - —
Sherwood, Wis. ton.10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton. 8.50 - —
York, Pa ton.13.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa ton.13.50 - —
Bellefonte, Pa. ton.13.50 - —
Carey, Ohio ton.11.00 - —
Engle, W. Va ton.13.00 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton.10.00 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me. ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.10.00 - —
York, Pa ton.13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose lb. 5.45 - 5.90
ex lignaloe wood lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots. lb. 5.50 - 6.00
96-98%, bots. lb. 6.35 - 7.25
ex petitgrain, bots lb. 4.25 - 6.00
Lindane, 25%, cns., works lb. 3.00 - 3.05
dms., works. lb. 2.95 - —
Linden flowers with leaves, bls. lb. .22 - .25
without leaves, bls lb. .22 - .28
Linseed meal, expeller, 34% bulk, Midwest mills ton.69.00 - —
extracted, 34%, same basis ton.67.00 - —
extracted, 34%, same basis ton.62.50 - —
Litharge, com'l, powd. bbls., c.l., ship't point, frt. alld lb. .13¾- —
l.c.l., same basis lb. .14¾- —
Lithium benzoate, dms. lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .93 - —
Citrate, NF, bbls., dms., kgs lb. 1.05 - 1.40
Fluoride, bbls. lb. 1.80 - 2.00
Hydride, dms., works lb.14.00 -18.50
Hydroxide, monohydrate, dms lb. .90 - 1.25
Salicylate, dms lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .06½- —
l.c.l., dlvd. lb. .07¼- .07½
Titanated (high-strength), bgs., c.l., dlvd lb. .08½- —
l.c.l., dlvd. lb. .09½- —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .70 - .75
Lobelia herb, bls lb. .80 - .85
leaves, NF lb. .85 - .90
Lobeline sulphate, bots., works oz.34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
liquid, No. 1, bbls., l.c.l lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .29½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. 44½- 49¼
Lovage root, imported, bls lb. 1.00 - 1.10
Lupulin, tins lb 1.95 - 2.00
Lycopodium, cs. lb. 1.20 - 1.50
Lysine hydrochloride, dextro-laevo, kilo.145.00 -149.00

M

Mace, Amboyna, bls lb. .75 Nom.
Banda, No. 1, bls lb 1.05 Nom.
Siauw, No. 1, bls lb. 1.00 - 1.05
West Indian, bls lb. .98 - 1.00
broken, bls lb. .80 - .82
Madder, Dutch, bgs lb .29 .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - .31
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .50
Bromide, tars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb .11½- —
l.c.l. frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt alld lb 11¾ - —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld lb. 12¼ - —
kgs., c.l., frt. equald lb. .12½- —
l.c.l. frt alld lb .13½- —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald. with N. Y. C. on all other destinations.
Chloride, anhyd., dms. works lb 12¼- —
flake, bbls., c.l., works ton.45.00 - —
l.c.l., works ton.49.00 -51.00
Gluconate, dms., cns lb. 1.88 - 1.93
Glycerophosphate, dms. works lb 4.85 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms lb 1.60 - —
Laurate, bbls lb. 46 - 47
Metal, 99.8% ingots, cs., works lb. .22½- —
sticks, cs., works, frt., alld. on c.l. basis lb. .39 - —
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Stearate, ctns., c.l lb. .35 - —
smaller lots lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms. 1,000-lb. lots lb. .43 - —
100-lb. lots lb. 50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton.67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash ton.33.00 - —
Maleic anhydride, dms., c.l., dlvd., lb. .30 - —
l.c.l., dlvd lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher
Malva flowers, black, bls lb 1.00 1.25
Blue, bls. lb .93 1.10
Leaves, bls. lb. .30 .35
Mandrake root, bls lb. .40 - .43
Manganese acetate, bbls. lb .32 - —
Arsenate, bgs lb .12 12½
Borate, anhyd., bbls lb .23 - —
Carbonate, bbls., works lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .23

Manganese dioxide, African, battery, 84-87%, bgs., 100 tons, works ton 78.00 - —
smaller lots, works ton 84.00 - 94.00
Gluconate, dms., cns lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb 4.15 - 4.25
Hydrate, bbls., works lb. .34 - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39½ - —
solid, precip., 8.2% Mn, bbls., lb. .41½ —
Metal, cs., dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. alld to lb. .22¾ - .23¼
Oleate, precip. bbls lb. .33½ —
Resinate, fused, 3½% Mn, cms. precip., dms lb. .21½ - —
Stearate, ctns., c.l lb. .35 - —
smaller lots lb. .36 .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton 66.00 - —
l.c.l., dlvd. S. E ton 73.00 - —
feed grade, 80%, bgs., dlvd., S. E lb. .05¼ - .07
75%, bgs., c.l., dlvd. S. E ton 76.00 - —
l.c.l., dlvd. S. E ton 83.00 - —
Tallate, liquid, 4% Mn, dms lb No prices.
solid, 8% Mn dms lb No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton No stocks.
So. American, 30-32% tannin, c.l., ex dock ton 60.00 -61.00
Manna, flake, large, cs lb. 1.10 - 1.35
small, cs lb. .85 1.00
Mannitol, com'l, dms., works lb .40 .43
reagent, 50-lb. dms., works lb .85 —
Marjoram, Argentine, bls lb. .14 Nom.
Bohemian, bls. lb. .34 - .34½
Chilean, bls. lb. .34 - .34½
French, bls lb. .48 - .49
Peruvian, bls. lb. .38 - .39
Matico leaves, bls lb. .25 .33
Melamine, bgs., ton lots, works lb. .33 - —
500 lbs. or more, works lb. .33½ - —
less 500 lbs., works lb. .38½ - —
Menadione, USP, bots gram. .06½ - —
Menthol, natural, USP, bots lb. 12.50 -13.00
synthetic, USP, racemic, cns lb. 7.25 Nom.
Menthyl salicylate, tins lb. 4.00 4.25
Mercaptobenzo thiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, crys., powd., fib. dms lb. 3.27 - 3.32
Iodide, red, NF, dms lb. 4.07 - —
yellow, NF, fib. dms lb. 4.22 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. lb. 2.44 2.46
Mesityl oxide, dms., c.l., dlvd. lb. .13¼ - —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd lb. .11½ —
Metaldehyde, dms., works lb. .78 1.00
Metachloranilin, dms., works lb. .75 —
Metacresol, 98%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
Metaparaisopropylphenol, dms., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb .20 - —
Metanitroparatoluidin, bbls lb. 1.28 - —
Metaphenylenediamine, kgs lb. .76 - —
Metatoluidine, obls works lb. .80 - —
Metatolylenediamine, kgs lb .85 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .68 - —
l.c.l., frt. alld gal. .79 - —
tanks, frt. alld gal. .60 - —
Prices on natural methanol W of Miss. 3c higher
synthetic, zone 1, dms. c.l., frt. alld gal. .38 - —
l.c.l., frt. alld gal. .41 - —
tanks, frt. alld gal. .26 - —
zone 2, dms., c.l., frt. alld gal. .42½ - .45
l.c.l., ex whse gal. .47½ — —
tanks, frt. alld gal. .29½ .31
Synthetic methanol zones are: Zone 1 is all continental U. S., E of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, same basis. lb. 3.00 - —
97%, same basis lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works lb. .65 - —
Methyl abietate non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l. same basis lb. .17½ - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼ - —
c.l.c.l. same basis lb .17¾ - —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetoacetate, dms., c.l., dlvd. lb. .53 - —
l.c.l., dlvd lb. .54 - —
tanks, dlvd lb. .51½ - —
Methyl acetoacetate prices frt. alld. W. 4c higher
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld gal. .60 - —
l.c.l., same basis gal. .71 —
Natural methyl acetone group A prices W of Miss. 3c per gal higher.
Group B dms., incl., E. Miss., frt. alld., any quantity gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W gal. .57 - —
l.c.l., works, frt. alld. E gal. .56½ - —
frt. alld. W gal. .60½ - —
tanks, works, frt. alld. E gal. .43½ - —
frt. alld. W gal. .47 - —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - —
Alcohol (see Methanol)
Anthranilate, cns., 100 lbs. or more lb. 2.10 - 2.90
extra cns. lb. 4.00 - 4.40
Benzoate, cns lb. .55 - 1.20
Bromide, dealers, cns lb. .69 - .71
cyls. lb. .60 .73
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit, works lb. .13½ - —
single-unit works lb. .11 - —
refrigerator mfrs. cyls., dlvd lb. .39 - .48
other consumers or service men, cyls., dlvd lb. .49 - —
Cinnamate, cns. lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .25½ - —
l.c.l., works lb. .26½ - —
tanks, works lb. .24½ - —
Methyl formate, refd., dms lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .06 - —
tanks, works lb. .07 - —
Iodide, bots., works lb. 3.65 - 4.78
cbys., works lb. 2.80 - 3.00
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, dms., c.l. and truckload, works lb. .44½ - —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 2.20
fib. dms lb 1.90 2.00
Roseanilin chloride, USP, bot: lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs lb. .42 - —
cans, 25-50 lbs lb. .47 - .50
Testosterone, USP, 100 gms gm. 3.50 - —
Methylheptin carbonate, bots lb. 35.00 -58.00
Methylal, refined, 95% dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .14¼ - —
l.c.l., dlvd lb. .15¼ - —
tanks, dlvd lb. .12½ - —
Ketone, dms., works lb. 1.05 - —
Methylcellulose special vis., (4,000 cps.), fib. ctns., c.l., works, lb. .68 - —
2,000 lbs. and more, same basis lb. .70 —
smaller lots, frt. alld. on 100 lbs lb. .75 - .87
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .61 - —
2,000 lbs and more, same basis lb .63 —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .70
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots, kgs., same basis lb 3.02 3.22
Chloride indust. dms., c.l., dlvd. E lb. .12 -
t.c.l., dlvd. E lb. .13½ —
tanks, dlvd. E lb. .11½ —
Methylethyl ketone, dms., c.l., dlvd. lb. .10¾ - .11¾
l.c.l., dlvd lb. .11½ - .12½
tanks, dlvd lb. .09 - .10
Methylionone, A, cns lb 6.55 8.80
D, cns lb 7.50 - 9.55
prime, cns lb 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .12¾ - .13¾
l.c.l., dlvd lb. .13½ - .14¼
tanks, dlvd lb. .11 - .12
Methylnaphthyl ketone, cns lb. 3.00 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, dms., dlvd. lb. 1.40 - 1.43
Methylthionine chloride (see Methylene blue).
Mica dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03½ —
roofing, 20 to 80 mesh, works lb. .03¾ —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾ —
t.c.l., ex whse., or frt. alld. E lb. .06½ —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾ —
t.c.l., ex whse. or frt. alld. E lb. .06½ —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼ —
t.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
t.c.l., ex whse. or frt. alld. E lb. .07¾ - —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼ - —
t.c.l., ex whse. or frt. alld. E lb. .09 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½ - —
t.c.l., ex whse. or frt. alld. E lb. .09 - —
Mica, wet-grd., W. of Miss. R., W of Rockies, 1c. higher
Milk powder, skimmed, roller, bbls., c.l lb. .10½ - .10¾
spray, bbls., c.l. lb. .12¼ - .12¾
Whole, roller, bbls., c.l. lb. .28 .33
spray, bbls., c.l. lb. .28½ - .35½
Sugar, crude, bgs., c.l., works lb. .16½ —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾ - —
200-1,800-lb. lots lb. .23¼ - —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾ - —
200-1,800-lb. lots lb. .27¼ —
Molasses, blackstrap, tanks gal. .13 - .14
New Orleans, tanks gal. .13 - .13½
Molybdate orange (see Orange molybdate)
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal, 99% Mo., powd., kgs lb 2.60 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —

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The difference between the raw material you have and the end-product you want may be a SHELL INTERMEDIATE

TRY

EPI	Epichlorohydrin	$CH_2-CH-CH_2Cl$ (O)
GDCH	Glycerol Dichlorohydrin	$CH_2(OH)-CH(Cl)-CH_2Cl$ (70%); $CH_2(Cl)-CH(OH)-CH_2Cl$ (30%)
MAC	Methallyl Chloride	$CH_2=C(CH_3)-CH_2Cl$
AA	Allyl Alcohol	$CH_2=CH-CH_2OH$
AC	Allyl Chloride	$CH_2=CH-CH_2Cl$
TCP	Trichloropropane	$CH_2(Cl)-CH(Cl)-CH_2Cl$

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Monochlorobenzene—Oil, Coconut

Monochlorobenzene, dms., c.l., frt. alld. as divd.	lb.	.08½	—
l.c.l., same basis	lb.	.09½	—
tanks, same basis	lb.	.07	—
Monochlorobenzene prices in the West, 1¾c. higher.			
Monoethanolamine, dms., c.l., frt. alld. E	lb.	.27	—
l.c.l. same basis	lb.	.28	—
tanks, same basis	lb.	.25½	—
Monoethylamine, dms., c.l., frt. alld. E., basis 100%	lb.	.21¾	—
l.c.l., same basis	lb.	.22¾	—
tanks, same basis	lb.	.20	—
Monoisopropylamine, dms., c.l., frt. alld. E	lb.	.24¼	.25¼
l.c.l., same basis	lb.	.23¼	.24¼
tanks, same basis	lb.	.22½	.23½
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%	lb.	.35	—
l.c.l., same basis	lb.	.35½	.36
tanks, same basis	lb.	.31	—
Monononylnaphthalene, dms., c.l., works	lb.	.14	—
l.c.l., works	lb.	.15	—
tanks, works	lb.	.13	—
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).			
Monosodium glutamate (see Sodium glutamate, monobasic).			
Phosphate (see Sodium phosphate, monobasic).			
Monotertiarybutylmetacresol, dms., c.l., works	lb.	.50	—
l.c.l., works	lb.	.51	—
tanks, works	lb.	.49	—

Morphine, cns.	oz.	12.40	-12.60
Acetate, cns.	oz.	9.85	- 9.90
Hydrobromide, cns.	oz.	9.80	- 9.90
Hydrochloride, NF, cns	oz.	9.90	10.00
Sulphate, USP, cns	oz.	9.90	-10.00
Morpholine, dms., c.l., works	lb.	.60½	—
l.c.l., works	lb.	61	—
tanks, works	lb.	.59	—
Mountain ash berries, bgs	lb.	65	- .75
Mullein flowers, cs	lb.	1.15	- 1.20
Leaves, bls.	lb.	.16	- .18
Musk, natural, Tonquin, grains, bots.	oz.	25.00	-30.00
synthetic—Ambrette, 100 lbs., fib. dms	lb.	5.40	—
25 lbs., cns	lb.	5.50	—
5 lbs., cns	lb.	5.65	—
Ketone, 100 lbs., fib. dms	lb.	4.95	—
25 lbs., cns	lb.	5.05	—
5 lbs., cns	lb.	5.20	—
Xylol, 100 lbs., fib. dms	lb.	1.40	—
25 lbs., cns	lb.	1.45	—
5 lbs., cns	lb.	1.55	—
Musk root, bls	lb.	No prices.	
Mustard seed, Calif., brown, bgs., f.o.b. source	lb.	.07¼	.07½
Dutch, yellow, bgs., futures	lb.	.12½	.13
English, yellow, bgs.	lb.	.12½	.13
Montana, brown, Sept.-Oct., bgs., source	lb.	.05	.05½
Oriental, Sept.-Oct., bgs., source	lb.	.05	.05¼
yellow, Sept. Oct., bgs. source	lb.	.08½	.09
Washington, yellow source, bgs.	lb.	.11	.11½
Myrobalans, J1, assorted, ex dock.	ton.	52.00	—
crushed, ex dock	ton.	76.50	—
J2, ex dock	ton	42.00	—

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).			
Solvent (see S).			
Naphthalene, dom., crude, 74° bgs., bbls., works, c.l., frt. equald	lb.	.07	—
tanks, same basis	lb.	.0425	—
76°, bgs., bbls., c.l., works, frt. equald	lb.	.0535	—
l.c.l., same basis	lb.	.0560	—
dms., c.l., same basis	lb.	.0650	—
l.c.l., same basis	lb.	.07	—
tanks, same basis	lb.	.0475	—
refined, industrial, bbls., c.l., frt. equald	lb.	.09	—
bgs., c.l., same basis	lb.	.08½	—
tanks, same basis	lb.	.08	—
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis	lb.	.11	—
cs., 50 lbs., c.l., same basis	lb.	.11¼	—
1-lb. pkgs., c.l., same basis	lb.	.14	—
imported, crude, 78°, 100-ton lots	lb.	.03¼	—
refined, 30,000-lb. lots	lb.	.09¼	—
smaller lots	lb.	.09¼	.10½
Neocinchophen, USP, dms., frt. adjusted	lb.	7.00	- 7.25
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y	ton.	14.25	—
pottery, 200 mesh, bulk, Rochester, N. Y	ton.	18.25	—
Nephelin syenite in bgs., $3 per ton higher than bulk.			
Nerolin, cns.	lb.	2.05	- 2.25
Niacin (see Acid, nicotinic).			
Niacinamide (see Nicotinamide).			

Nickel acetate, bbls., dlvd.	lb.	.52½	.53¼
Carbonate, bbls., dlvd.	lb.	.57¼	.57¾
Chloride, bbls., dlvd.	lb.	.27	.27½
Cyanide, bots., dms.	lb.	1.75	- 2.00
Fermate, bbls., ton lots, frt. alld.	lb.	.49¾	.50¼
Metal, electro cathodes, cs.	lb.	.48	—
Nitrate, bbls., works	lb.	.26½	.27½
Oxide, black, bbls.	lb.	.42	—
Sulphate, bgs., c.l., dlvd.	lb.	.20	—
l.c.l., dlvd.	lb.	.20½	—
Nicotinamide, USP, dms., frt. adjusted	kilo	11.00	-11.30
Hydrochloride, dms., frt. adjusted	kilo.	10.50	-10.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs.	dm.	4.40	—
tins, 10 lbs. dealers, frt. alld. on cases of 6	tin.	10.75	—
Nikethamide, bots., cbys.	lb.	3.60	- 5.75
Nitercake, bulk, works	ton.	No stocks.	
Nitrobenzene, dbl. dist., dms., c.l	lb.	.09	.09½
l.c.l.	lb.	.10	.11
tanks	lb.	.08	.08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works	lb.	.28	—
l.c.l., same basis	lb.	.29	.31
15-25 cps., c.l.	lb.	.30	—
l.c.l., same basis	lb.	.31	.33
250-400, 600-1,000 secs., c.l., same basis	lb.	.32	—
l.c.l., same basis	lb.	.33	.35
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis	lb.	.35	—
l.c.l., same basis	lb.	.36	.38
5-6, 40-60 secs., c.l., same basis.	lb.	.34	—
l.c.l., same basis	lb.	.35	.37

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., works	lb.	.30	—
Nitrogen solution, tanks, work., N.	ton.	115.00	—
Nitrogenous process tankage, bulk, works, ammo., ship't. unit-ton.		3.90	- 4.00
Sewage sludge, bulk, works, unit	ton.	3.25	+ .40
Nitromethane, dms., l.c.l., works	lb.	.30	—
Nitropropane, 1, dms., works	lb.	.30	—
2, dms., works	lb.	.30	—
Nonylphenol, dms., c.l., works	lb.	.26	—
l.c.l., works	lb.	.27	—
tanks, works	lb.	.25	—
Nutgalls, Aleppo, bgs.	lb.	.38	—
Chinese, bgs.	lb.	.32	—
Istrian, bgs	lb.	.31	—
Nutmeg, East Indian, broken, limed, bgs.	lb.	.50	.50½
whole, shrivels, bgs.	lb.	.50	.50½
110's, cs.	lb.	.50	.50½
shipment, cs.	lb.	.47	.48
West Indian, bgs.	lb.	.36	.37
futures	lb.	.37	.38
Nux vomica, bls.	lb.	.10	.12
powdered, bbls., bxs.	lb.	.13	.14

O

Oakbark extract, 25% tannin, bbls., c.l., works	lb.	No stocks	
Octane, 100°-140° C, industrial grade, group 3, dms., c.l.	gal.	.19	—
l.c.l.	gal.	.21	.60
tanks	gal.	.15½	—
16°C., o.r. Bayonne, N.J., tanks	gal.	.16½	—
Octanol, normal, tech., dms., c.l., divd.	lb.	.34½	—
l.c.l., divd.	lb.	.36½	—
tanks, divd.	lb.	.32	—
Octyl methacrylate, normal, dms., less than truckload, works.	lb.	.83	—
Oil, abies siberica, cns.	lb.	2.65	- 3.25
Almond, artificial, bitter, (see Benzaldehyde)			
natural, bitter, F.P.A., bots.	lb.	3.25	- 5.00
NF, bots.	lb.	3.00	- 3.05
sweet, dms., cns.	lb.	.55	- .85
Allspice (see Oil, pimento).			
Amyris, dms.	lb.	1.65	- 1.70
Angelica root, bots.	lb.	110.00	-190.00
seed, bots.	lb.	100.00	- —
Anilin (see A).			
Anise, USP, Chinese, dms.	lb.	1.15	- 1.25
Apricot kernels, USP, dms.	lb.	.42½	- .58
Avocado, cns., dms	lb.	1.00	1.10
Babassu, crude, tankcars	lb.	.17¼	—
Bay, NF, Puerto Rican, 50-55%, cns	lb.	1.05	- 1.50
55-60%, cns.	lb.	1.20	- 1.50
West Indian, 50-55%, cns., dms	lb.	1.12	- 1.15
Bergamot, artif., cns.	lb.	1.50	- 3.50
natural, NF, Italian, cns.	lb.	4.40	- 4.75
Birchtar, crude, cns.	lb.	.80	- 1.76
rectified, NF, cns	lb.	3.95	- 4.25
Bois de rose, Brazil	lb.	3.50	- 3.90
Mexican (see Oil, lignaloe wood)			
Bone, dms., works	gal.	.65	- .70
Cajeput, tech., dms.	lb.	1.85	- 1.95
redistilled, USP, cns.	lb.	2.35	- 4.50
Calamus, cns	lb.	20.00	-26.00
Camphor, sassafrassy, dms.	lb.	.20	- .60
white, dms.	lb.	.23	- .60
Cananga, native, cns.	lb.	4.25	- 4.80
rectified, cns.	lb.	5.05	- 6.00
Capsicum (see Capsicum oleoresin)			
Caraway, NF, cns	lb.	3.15	- 4.00
Cardamom, NF, bots.	lb.	46.00	-63.00
Cassia, USP, cns.	lb.	2.75	- 3.10
Castor, blown, dms., c.l.	lb.	.21¾	—
dms., l.c.l.	lb.	.22¼	—
dehydrated, bodied, dms., c.l	lb.	.23½	—
l.c.l.	lb.	.24	—
tanks	lb.	.22½	—
unbodied, dms., c.l.	lb.	.22¼	—
l.c.l.	lb.	.23	—
tanks	lb.	.21½	—
hydrogenated, dms., c.l., works	lb.	.27	—
l.c.l., same basis	lb.	.28	—
No. 3, tech., dms., c.l.	lb.	.13½	—
l.c.l.	lb.	.19	—
tanks	lb.	.17½	—
Sulphonated, 50% (48% fat), dms.	lb.	.12	- .14
75% (60-62% fat), dms.	lb.	.15¾	.16¾
tech., No. 1, Brazilian, tanks	lb.	.16	- .16¼
USP, standard, dms., c.l.	lb.	.19¾	—
l.c.l.	lb.	.20¼	—
tanks	lb.	.18¾	—
refined and deodorized, dms., c.l.	lb.	.21	—
l.c.l.	lb.	.21¾	—
Cedarleaf, dms.	lb.	1.90	- 2.20
Cedarwood, cns.	lb.	.45	- .55
dms.	lb.	.52	- .70
Celeryseed, bots.	lb.	14.75	-17.50
Chaulmoogra, NF, cns., dms.	lb	.55	- .70
Chinawood (see Oil, tung)			
Cinnamon bark, USP, bots.	lb.	20.00	-60.00
Leaf, Ceylon	lb.	1.35	- 1.50
Citronella, Ceylon, cns.	lb.	1.10	- 1.50
Java-type, cns.	lb.	1.60	- 2.10
Clove, USP from buds, cns., dms.	lb.	1.75	- 1.85
Coconut, crude, tanks, Atlantic ports	lb.	.15¾	—
Pac. Coast	lb.	.15	—
refined, Cochin type, tax incl., dms., l.c.l.	lb.	.21¼	—
deodorized, tax incl., dms., l.c.l.	lb.	.23½	—

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Oil, cod, Newfoundland, dms.....lb. .08 - .09
Codliver, USP, dms .....gal. 1.40 - 1.55
Coriander, USP, bots.....lb.19.00 -22.00
Corn, crude, tanks, works.....lb. .15¾- —
foots, acid, 95%, tanks, dlvd. E..lb. .06 - —
raw, 50%, tanks, dlvd. E..lb. .02 - —
refined, dms., New York....lb. .20½- .21
tanks, same basis.....lb. .19 - —
Costus, bots. .....oz.19.00 - —
Cottonseed, crude, tanks, Southeast and Valley..lb. .15¾- —
foots, acid 95%, tanks, dlvd. E..lb. .04½- —
raw, 50%, tanks, dlvd. E..lb. .02 - —
refined, dms.....lb. .22 - —
tankcars .....lb. .19¼- —
Creosote (see Creosote, coaltar).
Croton, cns.....lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns.....lb. 6.00 - 7.50
Cumin, bots. .....lb. 4.15 - 4.50
Cypress, bots. .....lb.11.00 -15.00
Degras (see D).
Dillseed, India, bots.....lb. 6.25 - 7.75
Dillweed, domestic, bots., dms..lb. 5.00 - 6.00
Dip (see D).
Erigeron, cns. .....lb. 5.75 - 6.00
Eucalyptus, rectified, 80-90%, cns. .....lb. .65 - .93
70-80%, cns. .....lb. .55 - .63
Fennel, USP, cns.....lb. 2.50 - 3.25
Fir, Canada, cns .....lb. 1.75 - 2.05
Fishliver, crude, for feeds for centrating, 6,000 to 12,000 A units, dms..... 1,000,000 units. .09 - —
15,000 to 20,000 A units, dms. 1,000,000 units. .09½- —
25,000 to 35,000 A units, dms. 1,000,000 units. .19 - —
40,000 to 55,000 A units, dms. 1,000,000 units. .19½- —
Market prices on crude fishliver oil dependent upon conversion factor.
prime, natural, or concentrate, 100,000 A units, dms..... 1,000,000 units. .15 - —
200,000 A units, dms..... 1,000,000 units. .16 - —
300,000 A units, dms..... 1,000,000 units. .17 - —
400,000 A units, dms..... 1,000,000 units. .19 - —
500,000 A units, dms..... 1,000,000 units. .20 - —
700,000 A units, dms..... 1,000,000 units. .22 - —
Prices above are based on the USP XIII method of conversion, E x 1894.
100,000 A units, dms..... 1,000,000 units. .16 - —
200,000 A units, dms..... 1,000,000 units. .17 - —
300,000 A units, dms..... 1,000,000 units. .18 - —
400,000 A units, dms..... 1,000,000 units. .20 - —
500,000 A units, dms..... 1,000,000 units. .21 - —
700,000 A units, dms..... 1,000,000 units. .23 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots.....oz. 7.25 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.18.00 -20.00
Bourbon, cns. .....lb.26.00 -24.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots .....lb.21.00 -23.50
Grapefruit, dist., bots.....lb. .60 - .90
Grease, No. 1, dms.....lb. .11¾- .12¼
extra, Winter, strained, dms lb. .13¾- .14¼
prime, burning, dms.....lb. .14¾- .15¼
Guaiacwood, cns .....lb. 1.75 - 1.90
Hemlock, cns.....lb. 1.80 - 2.10
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots lb. 3.00 - 3.25
twice rectified .....lb. 3.50 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns .....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots .....lb 9.75 -12.50
Lavandin, cns. .....lb. 1.30 - 1.85
Lavender flower, French, 30-32% ester, cns..lb. 2.25 - 3.25
38-42% ester, cns.....lb. 3.15 - 4.10
40-42% ester, cns.....lb. 3.60 - 4.75
Spike, Spanish, cns.....lb. 1.10 - 1.40
Lemon, USP, Calif., cns., dms..lb. 3.25 - 3.75
Alessina .....lb. 3.10 - 5.75
terpeneless, bots. .....lb.32.00 -65.00
Lemongrass, cns., dms.....lb. 1.70 - 2.30
Lignaloe, Brazilian (see Oil, bois de rose).
wood, Mexican, cns.....lb. 3.50 - —
Lime, distilled, Mexican, cns...lb. 6.00 - 7.00
West Indian, cns .....lb. 6.50 - 7.25
expressed, West Indian, cns..lb. 7.25 -13.75
terpeneless, bot .....lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .1670- —
l.c.l. .....lb. .1830- .1990
tankcars .....lb. .1750- —
tankwagon .....lb. .1780- —
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms.....lb. 3.25 - 4.00
Mandarin, Floridian, dms.....lb. 1.60 - 1.75
Italian, cns. .....lb. 4.80 - 5.50
Menhaden, crude, tanks, Balto.lb. .07 - —
refined, alkali, dms.....lb. .1430- —
kettle-bodied, dms. .....lb. .1530- —
light-pressed, dms. .....lb. .1330- —
tanks .....lb. .1150- —
Mineral, white (see Oil, white, mineral)
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms..lb. .22½- .23
synthetic, cns., dms .....lb. 1.40 1.70
Neatsfoot, 15°, dms.....lb. .23 - .23½
20°, dms. .....lb. .27 .27½
30°, dms. .....lb. .25 .26
Neroli, NF, French, bots.....oz.125.00 -195.00
Haitian, bots .....lb.85.00 -90.00
Niaouli, cns. .....lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms..lb. 3.10 - 3.75
West Indian, cns., dms..lb. 3.35 - 3.60
Ocotea cymbarum, dms.....lb. .66 - .90
Oiticica, liquid, drums.....lb. .20 - .20½
tankcars .....lb. .19 - —
Oleo, extra, dms .....lb. .15½- .16
Olibanum, bots .....lb. 5.50 - 7.65
extra fine, bots.....lb 6.25 8.50
Olive, commercial, dms.....gal. 1.90 - 2.00
edible, dms., duty paid....gal. 2.25 - 2.35
foots, dms. .....lb. .12½- .13½
Orange, sweet, dist., cns....lb. .25 - .60
expressed, USP, Brazilian, cns., dms lb. .95 - 1.25
Calif., cns. .....lb. .60 - 1.00
Florida, cns., dms .....lb. .40 - 1.00
Messina, coppers.....lb. 2.90 - 5.50
West Indian, cns .....lb. 2.00 - 2.50
sesquiterpeneless, bots.....lb.55.00 -95.00
Origanum, Spanish, cs.....lb. 2.50 - 2.75
Palm, Congo, dms.....lb. .13¾- —
tankcars .....lb. No stocks.
Palmarosa, cns.....lb. 7.25 - 8.00
Palmkernel, crude, bulk, c.i.f. NY lb. No prices
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery gal. .11¼- —

Oil, patchouli, dms .....lb.20.00 -24.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast. lb. .18 - —
refined, dms .....lb. .22 - .22¼
tanks, New York .....lb. .21¼- —
Pennyroyal, USP, dom., cns..lb. No stocks.
imported, cns. .....lb. 4.30 - 4.75
Peppermint, natural, dms.....lb. 6.10 - 7.25
redist., USP, dms.....lb. 6.45 - 7.05
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms.....lb. No stocks.
Petitgrain, Paraguay, cns.....lb. 1.85 - 2.25
Pimento berry, NF, dms.....lb. 3.85 - 5.75
leaf, cns. .....lb. 1.35 - 1.70
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - —
l.c.l., works, South gal. .61 - —
ex whse., N. Y. C..lb. .72 - —
steam-dist., dms., ex whse., nourel. dms., incl. l.c.l., ex whse., N.Y.C..lb. .107 - —
Pineneedle, Siberian (See Oil, abies siberica).
Poly petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .10 - —
Rapeseed, tankcars .....lb. .15¼- —
Red, saponified, dms .....lb. .14¾- .16
tanks .....lb. .13¼- —
single dist., dms.....lb. .15½- .16¾
tanks .....lb. .14 - —
double dist., dms.....lb. .18 - .19¼
tanks .....lb. .16½- —
Rice bran, clarif., dms.....lb. .15 Nom.
Rose, natural, Bulgarian, bots . oz.24.00 -36.00
Rosemary, Spanish, tech., cns., dms..lb. .80 - 1.50
USP, cns., dms.....lb. .92 - 1.25
Rue, bots. .....lb. 2.75 - 3.10

Oil, safflower, dms., l.c.l.....lb. .1625- —
tanks .....lb. .1550 Nom.
Sage, clary, bots .....lb.12.50 -19.00
Dalmatian, cns. .....lb. 6.00 - 7.00
Spanish, cns. .....lb. 1.00 - 2.00
Sandalwood, NF, cns.....lb.11.75 -12.50
Sardine, crude, tanks, Pac. coast. lb. .07 - —
refined, alkali, dms.....lb. .1430- —
kettle-bodied, dms.....lb. .1530- —
light-pressed, dms.....lb. .1330- —
tanks .....lb. .1150- —
Sassafras, artificial.....lb. .53 - .78
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms..lb. 1.90 - 2.50
Savin, cns.....lb. 2.75 - 3.00
Savory, cns .....lb. 8.00 - —
Seal, 2% acid duty extra, dms lb. No stocks.
Sesame, ref., dms., l.c.l. .....lb. .31 - —
Shingle stain bbls., c.l., works, gal. .27 - —
l.c.l., works.....gal. .30 - —
tanks, works.....gal. .19 - —
Snakeroot, Canada, cns .....lb.19.25 -25.00
Soybean, crude, tanks, bills....lb. .13¼- .13⅝
foots, acid, 95%, tanks, dlvd. E..lb. .07 - —
raw, 50%, tanks, dlvd. E..lb. .03 - —
refined, alkali, dms., c.l.....lb. .1710- —
l.c.l. .....lb .1770- .1810
tanks .....lb. .1590- —
clarified, dms., c.l.....lb. .1615- —
l.c.l. .....lb. .1680- .1745
tanks .....lb. .15 - —
edible, dms .....lb. .17¼- .17½
tanks .....lb. .16½- —
Spearmint, USP, dms .....lb. 3.25 - 3.40

Oil, sperm, bleached, winter, 45°, dms..lb. .1520- .1570
tankcars .....lb. .1420- —
natural, winter, 45°, dms....lb. .14 - .1470
tankcars .....lb. .13 - —
Spruce, cns., dms .....lb. 1.80 - 2.10
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks .....lb. No prices.
Sweet birch, USP, Northern, cns. lb. 4.75 - 8.00
Southern, cns .....lb. 2.05 - 3.75
Tall, crude, tanks, works.....ton.40.00 - —
refined, dms., c.l., works...lb .06 - —
l.c.l., works.....lb. .03¼- —
tanks, works .....lb. .05 - —
Tallow, acidless, dms.....lb. .12½- .13
Tansy, dms.....lb. 8.10 - 9.00
Tar, pine, coml, dms., incl., c.l., works, South lb .045 - —
l.c.l., works, South ...lb. 0473- —
whse., N.Y.C .....lb. .0595- —
tanks, works, South....lb. .035 - —
rectified, inc., c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, dms. .....lb. No stocks.
Theobroma (see Cocoa butter)
Thyme, NF, red, cns., dms...lb. 1.65 - 2.10
white, cns .....lb. 1.85 - 2.35
technical, white, cns.....lb. .40 - 5.00
Tung, dom., tanks, mills.....lb. .24¼ Nom.
imported, dms., c.l.....lb. .25¾- —
l.c.l. .....lb. .26¼- —
tanks .....lb. .24¾- —
Turkey red (see Oil, castor, sulphonated)
Turpentine, NF, cns., dms....lb. .21 - .35

Flavor is the thing that makes your product stand out from others. And Exchange Oil of Orange *has* the flavor...that distinctive and preferred taste unique to oranges grown in the sunny, sheltered valleys of California.

Try Exchange Oil of Orange for yourself. Give it all your tests for *quality, uniformity* and *strength.* You'll like it...and you'll buy it!

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Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Oil, Vetiver—Platinum Metal

Oil, vetiver, Bourbon, cns	lb.	13.00	-15.00
Haitian, cns	lb.	10.60	-14.00
Java, cns	lb.	16.00	- —
Whale, ref., natural, dms	lb.	No stocks.	
Winter-bleached, dms	lb	No stocks.	
Wheat germ, 5-gal. dms	gal.	10.00	-13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y.	gal.	.43	- —
l.c.l., same basis	gal.	.48	- —
65-75 vis., dms., same basis,	gal.	.44	- —
l.c.l., same basis	gal.	.49	- —
USP, 80-90 vis., dms., c.l., same basis	gal.	.45	- —
125-135 vis., dms., c.l., same basis	gal.	.53	- —
l.c.l., same basis	gal.	.58	- —
145-155 vis., dms., c.l., same basis	gal.	.60	- —
l.c.l., same basis	gal.	.65	- —
175-185 vis., dms., c.l., same basis	gal.	.62	- —
l.c.l., same basis	gal.	.67	- —
200-210 vis., dms., c.l., same basis	gal.	.65	- —
l.c.l., same basis	gal.	.70	- —
335-345 vis., dms., c.l., same basis	gal.	.69½-	—
l.c.l., same basis	gal.	.74½-	—
Wintergreen, USP, nat., Northern, cns	lb.	7.10	-18.00
Southern, cns	lb.	3.75	-19.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, NF, cns	lb.	4.00	- 4.50
Wormwood, cns	lb.	6.70	- 7.00
Ylang-ylang, Bourbon, bots	lb.	12.00	-14.00
extra, bots	lb.	17.00	- —
Madagascar, bots	lb.	9.50	- 9.75
Olein, crude (see Oil, red).			
white, low titre, dms	lb.	.18	- .19¼
tankcars	lb.	.16½-	—
Oleostearin, bbls	lb.	.10¼-	—
Olivine, aggregate, c.l., mines	ton.	7.00	- 9.50
crushed, 8 mesh, bulk, c.l., works	ton.	10.00	- —
paper bgs., c.l., works	ton.	12.00	- —
Opium, USP, cns	lb.	19.20	-19.45
gran., USP, cns	lb.	21.65	-21.90
powd., USP cns	lb.	21.65	-21.90
Orange, cadmium lithopone bbls., frt. alld. E. of Rockies	lb.	1.20	- —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.25	- —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport) 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Chrome dinitroanilin toner	lb.	1.15	- —
Mineral, American, bbls., l.c.l., ship't point, frt. alld.	lb.	.1810-	—
Molybdate	lb.	.40	- —
Persian, bbls	lb.	30	- 45
Orange flowers, bls	lb.	.40	- .45
Orange peel, bitter, Haitian, bls	lb.	.13	- .15
Sweet, bls	lb.	.13	- .17
Oregano, Mexican, bgs	lb.	.16¼-	.16½
Portuguese, bgs	lb.	.16½-	.17
Sicilian, bgs	lb.	.15½-	.16
Orris root, Florentine, bls	lb.	.18	- .20
powdered, bbls., bxs	lb.	.23	- .24
Verona, bls	lb.	.13	- .14
powdered, bbls., bxs	lb.	.18	- .19
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33	- —
tanks, same basis	lb	.31	- —
Orthoanisidin, bbls	lb.	80	- —
Orthochloroanilin, dms. 10,000 lbs. or more	lb.	60	- —
smaller lots	lb.	70	- —
Orthochloroparanitroanilin, dms., dlvd	lb.	.67	- —
Orthochlorophenol, dms., c.l., frt. equald	lb.	.29	- —
l.c.l., same basis	lb.	.30	- —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald	lb.	.178	- —
l.c.l., same basis	lb.	.181	- —
ret. dms., c.l., same basis	lb.	.165	- —
l.c.l., same basis	lb.	.168	- —
29° C, non-ret. dms., c.l., same basis	lb.	.168	- —
l.c.l., same basis	lb.	.171	- —
ret. dms., c.l., same basis	lb.	.155	- —
l.c.l., same basis	lb.	.158	- —
24-29° C, non-ret. dms., c.l., same basis	lb.	.148	- .168
l.c.l., same basis	lb.	.151	- .171
tanks, same basis	lb.	.135	- .155
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09¼-	—
l.c.l., same basis	lb.	.10¼-	—
tanks, same basis	lb.	.07¾-	—
Orthoisopropyl N-phenylcarbamate (see IPC).			
Orthoisopropylphenol, dms., c.l.	lb	29	- —
l.c.l.	lb	30	- —
tanks	lb	28	- —
Orthonitroanilin, dms	lb	50	53
Orthonitrochlorobenzene, dms	lb.	.18	- .19
Orthonitrophenyl, tech. dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Orthonitroparachlorophenol, cns	lb	75	- —
Orthonitrotoluene, dms., c.l., works	lb.	.08	- —
l.c.l., works	lb.	.09	- —
tanks, works	lb.	.07	- —
Orthophenetidin, dms., works	lb	90	- —
Orthotoluidin, dms., c.l., works	lb.	19	- —
l.c.l. same basis	lb.	.20	- —
tanks, same basis	lb.	.18	- —
Osage orange crystals, bbls., l.c.l.	lb	33½-	—
extract, liquid, bbls., l.c.l	lb	15½-	—
Orthotolidin, (see Tolidine Base).			
Ouabaine USP, bots	gram	3.00	- 4.00
Ox gall, conc., gran., lb. dms., 5 lbs. and up	lb	2.50	- —
Oxyquinolin sulphate, cns., 100 lbs. works	lb	4.25	- —
smaller lots, works	lb	4.40	- 4.51

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Pancreas substance, assay 1:75	lb	5.75	6.25
Pancreatin, USP	lb	2.50	3.00
Panthenol, bots., works, frt. adjust.	kilo	90.00	- —
Papain, powd., NF, cs	lb.	2.10	- 2.70
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots	oz	5.00	—
smaller lots	oz	5.03	5.20
Sulphate, cns	oz.	7.10	7.35
Paprika, Chilean, bgs	lb.	.29½-	.30
Portuguese, bgs	lb.	.39	- .40
Spanish, bgs	lb.	.44	- .50
Para-anisidin, dms. works	lb.	.80	- —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	-21.00
Parachlorophenol, dms., c.l., frt. equald	lb.	.30	- —
l.c.l., same basis	lb.	.30	- —
Parachloroanilin, dms., frt. alld. E. Miss	lb.	.70	- —
Parachloro-orthonitroanilin, frt. alld. dms.	lb.	.63	- —
Paracresol, 98%, dms., dlvd.	lb.	.50	- —
Paracymene, dms., works, 50 gals. or more	gal.	2.50	- —
smaller quantities	gal.	3.00	- —
Paradibromobenzene, bgs., 500-lb lots.	lb.	.45	- —
Paradichlorobenzene, dms., c.l., works	lb.	.12	- —
l.c.l., same basis	lb.	.14	- —
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery	lb.	No prices.	
121-123 ASTM, bbls., c.l., ref'y	lb.	No prices.	
126-128 ASTM, bbls., c.l., ref'y	lb.	No prices.	
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y	lb.	.0635-	—
122-124 ASTM, loose, c.l., ref'y.	lb.	.0635-	—
125-127 ASTM, loose, c.l., ref'd	lb.	.0635-	—
128-130 ASTM, loose, c.l., ref'y	lb.	.0640-	—
130-132 ASTM, loose, c.l., ref'y.	lb.	.0645-	—
132-134 ASTM, loose, c.l., ref'y	lb.	.0660-	—

Paraffin prices in bgs and ctns., 7/10c per lb. higher; 1,000 to 9,999 lbs., 2.7c per lb. higher, and under 1,000 lbs. 3.7c per lb higher.

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd. N.Y.	lb.	.15½-	.16¾
10,000 lbs. to c.l., same basis.	lb.	.16½-	.16¾
1,000-9,999 lbs., same basis.	lb.	.17½-	.17¾
less than 1,000 lbs., same basis	lb.	.19¼-	.19½
powd., dms., c.l., works	lb.	.13	- —
10,000 lbs. to c.l., same basis.	lb.	.14	- —
1,000-9,999 lbs., same basis.	lb.	.15	- —
less than 1,000 lbs., same			
135-137 ASTM, loose, c.l., ref'y basis	lb.	.0795- .17	—
91-92% flake, fib. dms., c.l., works	lb.	.11	- —
10,000 lbs. to c.l., same basis.	lb.	.12	- —
1,000-9,999 lbs., same basis.	lb.	.13	- —
less than 1,000 lbs., same basis	lb.	.15	- —

Quotations on 91-92%, flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works	lb.	.12½	.13¼
5-10-gal. dms., l.c.l., works	lb.	.16½-	—
tanks, works	lb.	.10½-	—
USP, cbys	lb.	.51	.53
Paranitroanilin, kgs., works	lb.	.46½-	—
Paranitrochlorobenzene, kgs., works.	lb.	.19	.20
Paranitrophenol, kgs., works, frt. equald	lb	.40	- —
Paranitrotoluene, kgs., works	lb.	.30	- —
Paraphenetidin, dms., works	lb.	.80	- —
Paraphenylphenol, bgs., c.l., works.	lb.	.30½-	—
l.c.l., same basis	lb.	.31½-	—
Paraphenylenediamine, redistilled, dms., works	lb.	2.00	- —
technical, refined, dms., same basis	lb.	1.25	1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald	lb	.21	- —
l.c.l., same basis	lb.	.22	- —
Parathion, spray powder, 15%, tins, dealers	lb.	.72	- —
tech., dms., works	lb.	1.50	- 2.50
Paratoluenesulphonamide, bbls., works	lb.	.70	- —
Paratoluidin, bbls., works	lb	.55	- —
Pareira brava root, whole, bgs.	lb.	.30	- .31
ground, bxs	lb.	.35	- .37
powder, bxs	lb.	.38	- .40
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.33	- .37
l.c.l., same basis	lb.	.34	- .66
Passion flower herb, bls	lb.	.35	- .40
Patchouli leaves, bls	lb.	No stocks.	
Peanut meal, 45%, sacked, mills	ton.	82.00	-84.00
Pectin, citrous, NF, powd., bbls	lb	2.09	2.06
tech., powd., bbls	lb	1.42	1.43
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units	vl.	.102	- —
200,000 units	vl.	.15½-	—
500,000 units	vl.	.28	- —
1,000,000 units	vl.	.52	- —
2,000,000 units	vl	1.00	- —
bulk, sterile, over 25,000,000,000 unit lots 100,000 units.		.04	- —
tablet grade, over 25,000,000,000 unit lots 100,000 units.		.03½-	—
procaine, bulk, over 25,000,000,000 unit lots 100,000 units.		.04½-	—
sodium, unlabeled, vials 100,000 units	vl.	.10¾-	—
200,000 units	vl.	.16	- —
500,000 units	vl.	.30½-	—
1,000,000 units	vl.	.57	- —
2,000,000 units	vl.	1.03	- —
bulk, over 25,000,000,000 unit lots 100,000 units.		.04½-	—
Pennyroyal leaves, bls	lb.	.40	- .45
Pentachlorophenol, dms., c.l., works, frt. equald	lb.	.20	- —
l.c.l., same basis	lb.	.23	.28
truckload, 20,000 lbs., min., same basis	lb.	.20¼-	—
Pentaerythritol, tech., bgs. c.l., works	lb	.29	- —
l.c.l., works	lb	.31	.33

Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol)

Pentane industrial, tanks, group 3	gal	10½-	11½
Pepper, black, bgs	lb.	1.90	- 1.95
July-Aug. shipment, bgs	lb.	1.75	- 1.80
Red, Carolina, longs, bgs	lb.	.38	- .39
Oct.-Nov. delivery, bgs	lb.	.36	- .37
Ethiopian, stemless, bgs	lb.	.32½-	.33
Haitian, bgs	lb.	.52	- .53
Hontaka, bgs	lb.	.55	- .56
Louisiana longs, bgs	lb.	.38	- .38½
Mexican sports, bgs	lb.	.35	- .36
Mississippi sports, bgs., source	lb.	No stocks.	
Nigerian, caps, bgs	lb.	.38	- .39
birdseye, bgs	lb	.70	- .70½
Sierra Leone, bgs	lb.	.42	- .43
Sudanese, small, bgs	lb.	.42	- .43
Turkish, bgs	lb.	.24	- .25
White, futures, bgs	lb.	2.60	- 2.65
Peppermint, USP, dom., bls	lb.	.50	70
imported, bls		.80	.90
Pepsin, NF bulk containers	lb	3.90	—
Perchloroethylene, dms., c.l., or truckload, works, frt. equald.	lb.	.10¾-	—
l.c.l., same basis	lb.	.11½-	—
tanks, same basis	lb.	.10¼-	—
Perchloroethylene, dms., c.l., dlvd. E.	lb.	.11½-	—
l.c.l., dlvd. E	lb.	.12	- —
tanks, dlvd. E	lb.	.10¼-	—
Peru balsam, cns	lb.	.97	1.10
Petrolatum, USP, amber, dms., c.l.,	lb.	.04⅜-	.04⅞
l.c.l., same basis	lb.	.05½-	.05¾
cream, dms., c.l., same basis.	lb.	.05¾-	.06⅛
l.c.l., same basis	lb.	.07	- .08
extra amber, dms., c.l., same basis	lb.	.04⅞-	.05⅛
l.c.l., same basis	lb.	.05¾-	.06
white, lily, dms., c.l., same basis.	lb.	.06	- .06⅞
l.c.l., same basis	lb.	.07¼-	.08¼
snow, dms., c.l., same basis.	lb.	.06½-	.07⅛
l.c.l., same basis	lb.	.07½-	.08⅛
soft, dms., c.l., same basis	lb.	.06¼-	.06⅝
l.c.l., same basis	lb.	.07¼-	.07½
yellow, soft, dms., c.l., same basis	lb.	.04⅞-	.05
l.c.l., same basis	lb.	.05⅜-	.05⅞
Petroleum, crude bulk, at wells, California	bbl.	1.10	- 2.99
Illinois	bbl.	2.44	- 2.87
Kentucky	bbl.	2.42	- 2.83
Louisiana-Arkansas	bbl.	2.08	- 2.90
Montana	bbl.	1.28	- 2.775
Oklahoma-Kansas	bbl.	2.16	- 2.65
Pennsylvania, lower field	bbl.	3.46	- —
Upper field	bbl.	3.89	- —
Texas, East	bbl.	2.65	- —
Gulf coast	bbl.	2.38	- 2.95
North, North-Central	bbl.	2.23	- 2.65
Panhandle	bbl.	2.23	- 2.65
West	bbl.	2.10	- 2.65
Wyoming	bbl.	1.28	- 2.875
Ether, laboratory, 30°-60° C, 10-gal. cns., dlvd. E.	gal.	1.50	- —
dms., c.l., group 3	gal.	.26	- —
l.c.l., same basis	gal.	.44	- —
35°-60° C, 10-gal. cns., dlvd. E.	gal.	1.50	- —
dms., c.l., Group 3	gal.	.26	- —
l.c.l., same basis	gal.	.44	- —
40°-75° C, 10-gal. cns., dlvd. E	gal.	1.50	- —
cms., c.l., Group 3	gal.	.26	- —
l.c.l., same basis	gal.	.44	- —
90°-160° C, ret. dms., ex tax, f.o.b San Francisco	gal.	.57	- —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery	bbl.	1.40	- 1.60
light, tanks, refinery	bbl.	2.05	- 2.10
eastern, tanks, Albany, N. Y.	bbl.	2.35	- —
Baltimore, Md.	bbl.	2.18	- —
Boston, Mass.	bbl.	2.20	- —
Charleston, S. C.	bbl.	2.13	- —
Jacksonville, Fla.	bbl.	2.02	- —
New York, N. Y.	bbl.	2.05	- 2.10
Norfolk, Va.	bbl.	2.18	- —
Philadelphia, Pa.	bbl.	2.18	- —
Portland, Me.	bbl.	2.23	- —
Providence, R. I.	bbl.	2.175	- —
Savannah, Ga	bbl.	2.03	- —
Diesel, tanks, refinery, California	gal.	.095	- .10
Pennsylvania	gal.	.0875-	.0925
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.0775-	—
No. 3	gal.	.07375-	—
Bayonne, N. J., No. 2	gal.	.081	- —
Group 3, No. 1	gal.	.08	- .08625
No. 1, straw	gal.	.08	- .08625
No. 2, straw	gal.	.07375-	.085
range	gal.	.08	- .0875
Pennsylvania, western, No. 1	gal.	.095	- .09625
No. 2	gal.	.09	- .095
No. 3	gal.	.09	- .0925
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.147	- —
255 F, b.r., tanks, ex-tax, Portland, Ore	gal.	.158	- —
San Francisco	gal.	.152	- —
Seattle, Wash	gal.	.158	- —
East coast, tanks, N. J. and N. Y. refinery	gal.	.17	- —
group 3, benzol-type, tanks, refinery	gal.	.12625-	—
toluol-type, tanks, refinery.	gal.	.11625-	.11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco	gal.	.152	- —
205-295 b.r., tanks, same basis	gal.	.152	- —
245-360 b.r., tanks, same basis	gal.	.152	- —
305-362 b.r., tanks, same basis	gal.	.142	- —
312-400 b.r., tanks, same basis	gal.	.142	- —
360-455 b.r., tanks, same basis	gal.	.152	- —
East coast, tanks, N. J., N. Y., refinery	gal.	.14½-	—
group 3, tanks	gal.	.10375-	—
tankwagon, Baltimore	gal.	.18½-	—
Boston	gal.	.17	- —
Buffalo	gal.	.17½-	—
Newark	gal.	.16	- —
New York	gal.	.16	- —
Philadelphia	gal.	.15	- —
Pittsburgh	gal.	.18	- —
Providence	gal.	.17½-	—
Rochester	gal.	.19	- —
Syracuse	gal.	.20	- —
Washington, D. C.	gal.	.18½-	—
Naphtha, cleaners, East Coast, tanks, N.J., N.Y., refinery.	gal.	.15	- —
Group 3, tanks	gal.	.11375-	—
tankwagon, Newark	gal.	.15½-	—
New York	gal.	.16	- —
Philadelphia	gal.	.15	- —
high-flash, 140° F, group 3, refinery, tanks	gal.	.13	- .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal	gal.	.21½-	.23
25-26° C., m.a.p., tanks, same basis	gal.	.19½-	.26
270-370 b.r., 78-81° C., m.a.p., tanks, same basis	gal.	.25	- —
49° C., m.a.p., tanks, same basis	gal.	.28½-	—
26-27° C., m.a.p., tanks, same basis	gal.	.19½-	.26½
300-400 b.r., 28-32° C. m.a.p., tanks, same basis	gal.	.19½-	.28½
340-410 b.r., 27° C., m.a.p., tanks, same basis	gal.	.31	- —
32° C., m.a.p., tanks, same basis	gal.	.19½-	—
36° C., m.a.p., tanks, same basis	gal.	.20½-	—
340-440 b.r., 32° C., m.a.p., tanks, same basis	gal.	.25¾-	.29
360-480 b.r., 25° C., m.a.p., tanks, same basis	gal.	.19½-	—
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles.	gal.	.147	- —
Portland, Ore	gal	.158	- —
San Francisco	gal.	.152	- —
Seattle, Wash.	gal.	.158	- —
East coast, N. J., N. Y., tanks	gal.	.15½-	—
Group 3, tanks	gal.	.11375-	.11625
tankwagon, Boston	gal.	.18½-	—
Newark	gal.	.17½-	—
New York	gal.	.17½-	—
Philadelphia	gal.	.17	- —
Pittsburgh	gal.	.19	- —
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.152	- —
East coast, N. J., N. Y.,	gal.	.16	- —
Group 3, tanks	gal.	.11375-	—
Pennsylvania, western, tanks	gal.	.1225-	—
Petroleum solvent, Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157	- .195
East coast, N. J., N. Y., tanks	gal.	.15	- —
Group 3, tanks	gal.	.10875-	—
tankwagon, Boston	gal.	.17	- —
Newark	gal.	.16	- —
New York	gal.	.16	- —
Philadelphia	gal.	.14	- —
Pittsburgh	gal.	.18	- —
Syracuse	gal.	.20	- —
Sulphonate, 60-62% sulphonic content, ret. dms., c.l., works.	lb.	.13¾-	—
l.c.l., works	lb.	.16¼-	—
tanks, works	lb.	.14¼-	—
50-55% sulphonic content, ret. dms., c.l., works.	lb.	.13¾-	—
l.c.l., works	lb.	.14¼-	—
tanks, works	lb.	.12¼-	—
Phenobarbital, USP, dms., 100 lbs.	lb	4.00	- 4.35
Phenobarbital-sodium, USP, dms	lb.	4.00	- 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies.	lb.	.1450-	.1650
l.c.l., same basis	lb.	.1525-	.1725
tanks, same basis	lb.	.1275-	.1475
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.1450-	.1650
l.c.l., same basis	lb.	.1525-	.1725
tanks, same basis	lb.	.1275-	.1475
USP, synthetic, dms., c.l., same basis	lb.	.15¼-	.17¼
l.c.l., same basis	lb.	.16	.18
tanks, same basis	lb.	.13½-	.15½
tar distilled, dms., c.l., same basis	lb.	.15¼-	—
l.c.l., same basis	lb.	.16	- —
tanks, same basis	lb.	.13½-	—
Phenolphthalein, USP or yellow, bbls., dms., 2,000 lbs.	lb.	1.00	- —
smaller lots	lb.	1.02	- 1.07
Phenothiazin, NF, fib. dms., 18,000 lbs., frt. adjusted	lb.	.44	- —
smaller lots, frt. adjusted	lb.	.46	- —
Phenylacetaldehyde solution, 50%, bots.	lb.	2.45	- 2.70
100%, bots	lb.	4.00	- 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots	lb.	1.25	- —
smaller dms	lb.	1.30	- 1.60
Phenyl acetate, dms., 100-lb. lots, works	lb.	.50	- —
Salicylate (see Salol).			
Phenylalanine dextro laevo, dms., works	lb.	30.00	-37.50
Phenyldiethanolamine, dms., c.l., works.	lb.	.35½-	—
l.c.l., works	lb.	.35	- .36¼
Phenylethanolamine, dms., c.l., works.	lb.	.67½-	—
l.c.l., same basis	lb.	.68½-	—
Phenylethyl acetate, dms	lb.	1.35	- 1.85
Phenylethylphenyl acetate, bots.	lb.	3.75	- 4.20
Phenylhydrazin base, CP, bots	lb.	3.00	- 3.07
Hydrochloride, commercial, kgs., works.	lb.	1.75	- —
CP, bots., works	lb.	5.12	- —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).			
Phloroglucinol, CP, fib. dms., works.	lb.	13.75	-15.75
commercial fib. dms., works	lb.	5.50	- 7.00
tech., fib. dms., works	lb.	9.65	-10.75
Phosgene, 150-lb. cyls., works	lb.	.20½-	—
Phosphate, defluorinated (see under D)			
Phosphate rock, Curacao, Atlantic ports	ton.	35.00	- —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine	long ton.	3.735	- —
70%-68%, b.p.l., c.l., same basis	long ton.	4.155	- —
72%-70%, b.p.l., c.l., same basis	long ton.	4.805	- —
75%-74%, b.p.l., c.l., same basis	long ton.	5.805	- —
77%-78%, b.p.l., c.l., same basis	long ton.	6.905	- —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum	short ton.	4.92	- —
68%, b.p.l., basis 31% P_2O_5 minimum	short ton.	5.28	- —
70%, b.p.l., basis 32% P_2O_5 minimum	short ton.	5.83	- —

plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 30c. per long ton higher than above quotations.

Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5	long ton.	6.45	- —
30-29% P_2O_5	long ton.	7.21	- —
Phosphorus red, amorphous, cs.	lb.	.33	- .36
tins, export	lb.	.34	- .37
Yellow, cns.	lb.	.30	- .37
dms., c.l.	lb.	.26	- —
Oxychloride, dms., works	lb.	.13	- .16
Pentasulphide, dms., c.l., works	lb.	.11	- —
l.c.l., dms., works	lb.	.12	- .13
Pentoxide, dms., c.l., works	lb.	.12	- —
l.c.l., works	lb.	.13	- .14
Sesquisulphide, tins, cs., works.	lb.	.23	- .29
dms., export	lb.	.33½-	.36
Trichloride, dms., c.l., works	lb.	.13	- —
l.c.l., works	lb.	.14	- .17
Phthalic anhydride, bgs., c.l., works, frt. equald	lb.	.17½-	—
l.c.l., same basis	lb.	.18½-	—

Bbls. 1½c. per pound higher.

Phthalimide, bbls., works	lb.	1.10	- 1.37
Pichi leaves, bgs	lb.	.08	- .10
Picoline (see Alphapicoline and Betapicoline)			
Pilocarpine hydrochloride, NF, bots., vials	oz.	5.25	- —
Nitrate, USP, bots., vials	oz.	5.20	- —
Pimento, Jamaica, bgs	lb.	.22½-	.23
Pinetar, retort, dms., incl., c.l., works, South	lb.	.045	- —
l.c.l., same basis	lb.	.0473-	—
whse., N.Y.C.	lb.	.0595-	—
tanks, works, South	lb.	.035	- —
Pinkroot, bls	lb	1.55	- 1.65
Piperidine, 95%, dms., frt. equald.	lb	1.65	- —
98% dms., same basis	lb	1.75	- —
Piperazine hexahydrate, bots.	kilo	12.50	-13.25
Pipsissewa herb (see Prince's pine)			
Pitch, burgundy, dms. incl., 20 or more dms., works, South.	100 lbs.	7.16	- —
whse., N. Y. C.	100 lbs.	8.08	- —
5 to 19 dms., works, South	100 lbs.	7.36	- —
whse., N. Y. C.	100 lbs.	8.28	- —
1 to 4 dms., works, South	100 lbs.	7.61	- —
whse., N. Y. C.	100 lbs.	8.53	- —
Coaltar, 150° F. m.p., bbls., c.l., works	ton.	34.00	- —
l.c.l., works	ton.	36.00	-37.00
Cottonseed, dms., works	lb.	.05	- .07
Hardwood, paper bgs., c.l., works.	lb.	.02	- —
Linseed, dms.	lb.	.06	Nom.
Petroleum (see Asphaltum, Mexican, Texas).			
Pine, dms., ex whse., East	100 lbs.	4.67	- —
Soybean, dms., works	lb.	.04½-	.05
Plaster of paris (see Gypsum).			
Platinum metal, works	oz.	74.00	-77.00

Pokeroot, bls ..... lb. .13 - .14
Pleurisy root, bls ..... lb. .25 - .26
Podophyllin NF dms ..... lb. 12.45 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works lb. .47 - .49
tristearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works ..... lb. .47 - .49
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld lb. .30 - .31
20,000-29,999 lbs., same basis lb. .31 - .31½
10,000-19,999 lbs., same basis lb. .31½ - .32
200-9,999 lbs., same basis lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs., same basis lb. .31 - —
10,000-19,999 lbs., same basis, lb. .31½ - —
200-9,999 lbs., same basis lb. .31½ - —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs., same basis lb. .28 - .29½
10,000-19,999 lbs., same basis lb. .29 - .30½
200-9,999 lbs., same basis lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs., same basis lb. .28 - —
10,000-19,999 lbs., same basis lb. .29 - —
200-9,999 lbs., same basis lb. .29 - —
Polystyrene in non-returnable fiber drms., ½c per lb higher.
Pomegranate root bark, bgs ..... lb. .68 - .70
Poppy flowers, bls ..... lb. .50 - 1.05
Seed, Czech, bgs ..... lb. .17 - .18
Dutch, bgs ..... lb. .20 - .21
Polish, bgs ..... lb. .16 Nom.
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 10.00 - —
l.c.l., works 100 lbs. 10.75 - —
liquid, 45% dms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works 100 lbs. 5.125 - —
tanks, works 100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works 100 lbs. 10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, dms ..... lb. .08 - —
Acetate, dms ..... lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .20 .22
powd., dms ..... lb. .22 .24
Bichromate, bgs., works ..... lb. .13¼ .14¼
Potassium bichromate in drums, ¾c higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works, ton 192.00 - —
ton lots, works ton 245.50 - —
less ton lots works ton 250.50 - —
Bromate, bbls., 1,000 lbs. or more lb. .43 - —
25-200-lb lots lb. .60 - —
Bromide, USP cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85% bbls., c.l., works 100 lbs. 6.75 - —
dms., l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls., dms ..... lb. .16½ - .18
powd., bbls., dms ..... lb. .21 - .23
Chromate, tech., bgs ..... lb. .25 - .29
Chlorate, cryst., dms., c.l., works, lb. .039 - —
l.c.l., works ..... lb. .0915-.1015
powd., dms., c.l., works ..... lb. .094 - —
l.c.l., works ..... lb. .0965-.1065
export, dms., 1 to 10 tons, ex whse lb. .12 - —
NF, gran, dms lb .31 .33
Chloride, USP, cryst., dms ..... lb. .26 - .27
gran., bbls ..... lb. .20 .22
powd., bbls ..... lb. .29 .32
Citrate, USP, gran., dms ..... lb. .37½ - .38½
powder, dms ..... lb. .40½ - .41½
Cyanide, dms., works ..... lb. .52½ - .55
Fluoride, dms., works ..... lb. .24 - —
Gluconate, dms. ..... lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.05 2.20
Guiacol sulphonate, NF, dms lb 1.80 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 .93
Iodide, dms lb 1.95 1.98
Manure salt, 22% K2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran., bbls lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 60% K2O, bulk, Carlsbad, N.M. unit-ton. .40 - —
Trona, Cal. unit-ton. .48½ - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
fine gran., bbls., dms lb. .30 - .32
purified, dms lb. .42 .44
Perchlorate, dms., l.c.l. ..... lb. .14 - .15
kgs., c.l., works ..... lb. .13½ - —
Permanganate, tech., dms., works, lb. .21¾ .22¾
USP, dms., works ..... lb. .23½ - .24
ex whse lb. .29 —
Persulphate, dms., c.l., works lb. .17 - —
l.c.l. works lb. .21 —
Phosphate, tetrabasic, bbls., wks, lb. .13 - .13½
Prussiate, red, kgs ..... lb. .60 - .63
yellow, bbls ..... lb .21 —
kegs ..... lb. .26 —
Ricinoleate, tech., bbls ..... lb. .11 - —
Silicate, glass, bgs., c.l., works, ton 200.00 - —
l.c.l. ..... 100 lbs. 15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
l.c.l., 5 or more dms., works 100 lbs. 5.00 - —
1-4, dms., works 100 lbs. 5.00 - —
62° Be, net, dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more dms., works 100 lbs. 5.50 - —
1-4, works, dms 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., 5 or more dms 100 lbs. 6.50 - —
1-4, dms., works 100 lbs. 7.00 - —
Silicofluoride, * 07 08
Sulphate, agricultural, dom., bulk, basis 90-95% K2SO4, 90%, works ton 34.50 - —
NF, cryst, bbls lb .31 .33
gran, dms lb 13½
powder, dms ..... lb. .16 - .16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Potassium thiocyanate, NF, cryst., dms lb. .75 - .81
tech., works ..... lb. .45 .50
Titanate, ctns., c.l., works .. lb. .12 —
5 tons, works ..... lb. .12¼ —
1 ton or less, works ..... lb. .12½ - .12¾
Potassium-magnesium sulphate, bulk, min., 40% K2SO4, 18-50% MgO, works ton. 15.20 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms, works lb. .45 .55
Potassium-titanium oxalate, bbls., kgs lb. .65 .70
Potassium-zirconium fluoride, fib. dms, c.l., works lb. .50 —
l.c.l., works ..... lb. .52½ .55
Pregnenolone ..... gm. 4.00 - —
Acetate ..... gm. 4.00 - —
Prickly ash bark, bls ..... lb .23 .25
Berries, bgs ..... lb .55 .75
Prince's pine herb, bls ..... lb. .45 - .50
Procaine hydrochloride, USP, dms., contract 1,000 lbs. or more, works lb 3.75 4.50
spot ..... lb. 4.00 - 5.00
Progesterone, USP, 100 gms ... gm. 4.50 - —
Propane, commercial grade (gas), group 3 gal. .02¼ - —
Propionaldehyde, dms, c.l., works lb 28½ —
l.c.l., works ..... lb 29½ —
tanks, works lb 25 —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb 2.30 2.40
Propylene dichloride, dms., c.l. .. lb. .08½ - —
l.c.l. ..... lb .09½ —
smaller containers ..... lb 12½ - —
tanks lb .07 - —
Propylene oxide, dms., c.l., frt. alld, E lb. .18½ - —
l.c.l., frt. alld E .... lb 19½ —
tanks, frt. alld, E ..... lb. .16½ - —
Propyleneglycol, NF, dms., c.l., frt. alld, E lb. .17½ —
l.c.l., same basis ..... lb. .18½ —
tanks, same basis ..... lb. .16 —
tech., dms., c.l., frt. alld, E lb. .16½ —
l.c.l., same basis lb .17½ —
tanks, same basis ..... lb. .15 —
Propyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l. same basis lb .18½ —
tanks, same basis lb .16½ —
Propylthiouracil, bots., 50 kilos or more kilo. 55.00 - —
smaller lots ..... lb. 55.10 - 55.30
Psyllium seed, black, bgs ..... lb. .17 - .18
blonde, bgs. ..... lb. .14 - .16
husks, bgs ..... lb. .45 - .47
Pulsatilla herb, bls .... lb .45 .50
Pumice, dom., grd., course, 0, 1, 1½, 2, 3 bgs, ton lots, lb. .03¾ .04
Chicago, bgs., ton lots lb. .04½ —
smaller lots lb. .03¾ .04¼
Italian, silk-screen, coarse bgs., ton lots lb. .05½ - —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½ - —
fine, bgs., ton lots ..... lb. .02½ - —
Pumice in bbls is ½c. per lb higher
Pumpkin seed, bgs ..... lb. .18 .26
Purple fake (see Red)
Pyrethrum, concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb 11.00 - 11.50
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 9.50 - —
regular base, dms., works, gal. 9.40 - —
Pyrethrum, concentrate, liquid, (30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works gal. 14.15 - —
regular base, dms., works, gal 14.05 - —
flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 - .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., works, and frt. equald., c.l gal. 2.00 2.69
l.c.l gal. 2.00 2.72
reid., 2°, non ret, dms., c.l., same basis lb. .79½ —
l.c.l., same basis lb. .80 - —
Pyridoxine hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports long-ton. 8.00 - —
Pyrocatechin (see Catechol)
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton. 11.00 11.50
230 mesh, bulk, c.l., mines ton. 12.00 12.50
325 mesh, bulk, c.l., mines ton. 15.00 —
No. 3, 200 mesh, bulk, c.l., mines, ton 9.50 —
insecticide grade, 200 mesh, bgs., c.l., mines ton. 12.00 12.50
rubber grade 140 mesh bgs., c.l., mines ton. 10.00 10.50
Pyrophyllite in paper bgs. $3 to $3.50 per ton extra.
Pyroxylin, USP, bots ..... lb. 9.34 - —
Scrap, opaque, amber, cs., works, lb. .17 - —
black, cs., works ..... lb. .14 - —
gray, cs., works ..... lb. .13 - —
mixed, mottled, cs., works lb. .12 - —

Columbia a reliable source of supply for . . .

PARA-DICHLOROBENZENE

ORTHO-DICHLOROBENZENE

Columbia PARA-DICHLOROBENZENE

A high purity Columbia product consisting of white to clear crystals with a pleasantly aromatic odor. Vaporizes readily, leaves no residue, does not stain, is insoluble in water.

In six mesh sizes especially suited to packaging or blocking.

Widely used as a deodorant, agricultural insecticide, moth killer and as a chemical intermediate.

Packed in 25, 50, 100 and 200 pound fiber containers. (200 lb. Leverpak).

Columbia ORTHO-DICHLOROBENZENE

A high purity Columbia product consisting of a clear, colorless to slightly yellow liquid with a pungent but not unpleasant odor. Insoluble in water; relatively low volatility.

Used as an ingredient in insect sprays; for sewage control as a chemical ingredient; solvent for preparation of cosmetics, shoe polish, pyrethrum, gums, rubbers, fats, sulfur; paint and varnish remover.

Available in 55 gallon drums and 8,000 gallon tank cars.

Columbia will handle your requirements promptly and dependably. Both Para and Ortho are available in mixed car shipments. In many cases, you will realize other definite advantages. Your inquiries are invited. Pittsburgh Plate Glass Company, Columbia Chemical Division, Fifth at Bellefield, Pittsburgh 13, Pa.

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PAINT • GLASS • CHEMICALS • BRUSHES • PLASTICS

PITTSBURGH PLATE GLASS COMPANY

Pyroxyllin Scrap—Sodium Sulphate

Pyroxyllin scrap, white, china, ivory, cs., works	lb.	.17	—
dense, cs., works	lb.	.16	—
translucent, pastels, cs., works,	lb.	.17	—
transparent, colorless, cs., works,	lb.	.19	—
colors, cs., works	lb.	.17	—
shavings, opaque, amber, cs., works	lb.	.14	—
mixed, colors, cs., works	lb.	.14	—
white, cs., works	lb.	.17	—

Q

Quassia chips, bls	lb.	.08	.09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l.,	lb.	.14¾-	.15
liq., 35% tannin, bbls., works,	lb.	.08	.08½
tanks, same basis	lb.	.07½-	—
clarified, solid, 64% tannin, bgs., c.l., duty extra	lb.	.09	—
powd., 70% tannin, bgs., c.l	lb.	.15½-	—
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra	lb.	.08½-	—

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs	lb.	.14	.15
Quercitron crystals, bbls., c.l.	lb.	.33½-	—
Extract, liquid, bbls., l.c.l.	lb.	.14½-	—
solid, bxs	lb.	.28	—
Quicksilver, flasks (76 lbs.) net, 100 flask lots	flask	75.00	—
smaller lots	flask	80.00	—
Quince seed, bgs	lb.	.90	1.50
Quinidine, NF V, cryst., cns	oz.	1.90	—
powd., precip., cns	oz.	1.85	—
Sulphate, USP, cns	oz.	1.25	—
Quinine, NF, cns., 100 ozs	oz.	.70	—
Bisulphate, USP, cns., 100 ozs	oz.	.51	—
Dihydrochloride, USP	oz.	.70	—
Ethylcarbonate, NF, cns., 100 ozs.	oz.	.75	—
Hydrobromide, NF, cns., 50-oz. cns.	oz.	.63	—
Hydrochloride, USP, cns., 100 ozs.	oz.	.63	—
Phosphate, NF, cns., 100 ozs	oz.	.76	—
Salicylate, NF, ctns., 100 ozs	oz.	.66	—
Sulphate, USP, cns., 100 ozs	oz.	.56½-	—
Quinine-urea hydrochloride, NF, cns	lb.	.68	—
Quinolin, dms., c.l., frt. equald	lb.	.50¾-	.51¼
l.c.l., same basis	lb.	.51¼-	.51¾
tanks, same basis	lb.	.50	—

R

R salt, paste, dry basis, dms.	lb	.70	.75
Raspberries, dried, bbls	lb.	1.60	1.70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.45	2.25

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies	lb.	3.80	—
light shade, bbls., same basis	lb.	3.65	—
medium shade, bbls., same basis	lb.	3.75	—
medium-light shade, bbls., same basis	lb.	3.70	—
orange shade, bbls., same basis	lb.	3.30	—
lithopone, deep shade, bbls., same basis	lb.	1.45	—
light shade, bbls., same basis	lb.	1.30	—
maroon shade, bbls., same basis	lb.	1.55	1.65
medium shade, bbls., same basis	lb.	1.40	—
medium-light shade, bbls., same basis	lb.	1.35	—
orange-red shade, bbls., same basis	lb.	1.25	—

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).

Eosin toner, bbls., works	lb.	1.40	—
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N Y lb		.11¼-	11¾
Iron oxide, synth., bgs	lb.	.11¾-	.12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa.; Easton, Pa.; E. St. Louis	lb.	.05¼-	.09¼
special, high color, all shades	lb.	.60	—
Lake C toner alizarin, bbls., works	lb.	1.05	—
Lithol toner, bbls., works	lb.	.65½-	.80
Lithol-rubin toner, alizarin lake, bbls., works	lb.	1.40	—
Maroon, alizarin lake, 25%, kgs., works	lb.	.40	.43
toner, bbls., works	lb	1.35	1.50
Cadmium, deep, bbls., works	lb	1.20	—
regular, bbls., works	lb	1.10	—
Iron oxide, bgs., l.c.l., works	lb.	.04	—
MNPT toner, kgs., works	lb	3.25	—

Maroons in smaller pkgs., 5c. per lb higher

Mercury oxide, tech., bbls., 10,000 lbs., works	lb	2.00	—
smaller lots, works	lb	2.02	—
Metallic, bbls., works	lb.	.02½-	.02¾
Oxide (see Red, iron oxide).			
Persian gulf, bgs., works	lb.	.06¾	.07
Para toner, bbls	lb.	.69½-	.80
chlorinated, kgs	lb.	95	1.05
concentrated alizarin lake, kgs., works	lb.	80	—
Phloxin toner (see Red, eosin toner).			
Phosphotungstic, rhodamine Y, kgs., works	lb.	4.45	—
Pink lake, alizarin, bbls., works	lb.	.20	.25
Purple lake, kegs	lb.	1.35	—
Rose lake, alizarin, bbls., works	lb.	.25	28
Spanish oxide, grade 1, bbls., c.l., ex dock	lb.	.05½-	.05¾
l.c.l., ex dock	lb	.05¾-	.06
ex whse., New York	lb.	.06½-	—
grade 2, bbls., c.l., ex dock	lb.	.05¼-	.05½
l.c.l., ex dock	lb.	.05½-	.05¾
ex whse., New York	lb.	.06¼-	—
Toluidin toner (MNPT), kgs., works	lb.	1.01	1.30
Red, Turkey, bbls., works	lb.	.14½-	—
Tuscan, bbls., frt. equald	lb.	.24½-	.25
Venetian, 15%, bbls., works	lb.	.0350-	—
20%, bgs., works	lb.	.0360-	—
25%, bgs., works	lb.	.0410-	—
30%, bgs., works	lb.	.0440-	—
35%, bgs., works	lb.	.0465-	—
40%, bgs., works	lb.	.0490-	—
Vermilion, Amer., bbls	lb.	.32	—
Quicksilver, ctns	lb.	2.27	—
Red Precipitate, NF, powd., fib. dms	lb.	2.19	2.21
Red saunders wood, powd., bbls	lb.	.50	—
Rennin, NF	lb.	6.50	—
Resorcinol, resin grade, dms., c.l., works	lb.	.71	—
l.c.l., works	lb.	.72	—
tech., dms., c.l., works	lb.	.74	—
l.c.l., works	lb.	.75	—
USP, cryst., dms., works	lb	2.50	—
powd., dms., works	lb	2.70	—
Monoacetate, NF, dms	lb	3.25	3.45
Rhatany root, bgs	lb.	.15	.16
Rhubarb root, China, whole, cs.	lb.	.70	.80
powd., bbls.	lb.	.80	.90
India, whole, bgs	lb.	.55	.60
powdered, bbls	lb.	.62	.67
Riboflavin, USP, bots., dlvd.	kilo.	125.00	—
Readily soluble, bots., dlvd.	kilo.	125.00	—
Rice bran concentrate, dms., Cedartown, Ga	lb.	.79	—
Rochelle salt, USP, gran., powd., dms., 5,000 lbs	lb.	.27½-	—
smaller lots		.28	.33
Rose flowers, pale, bls	lb.	35	.40
Rosemary flowers, bls	lb.	1.55	1.65
Leaves, French, bls	lb.	.12	.12½
Portuguese, bls	lo.	.07	.07½
Spanish, bls	lb.	.06½-	.07
Rosin gum (see Naval Stores, Protective Coatings market).			
Wood, B, dms., c.l., works	100 lbs.	3.50	—
FF, dms., c.l., works	100 lbs.	4.60	—
G, H, I, dms., c.l., works	100 lbs.	5.41	—
K, dms., c.l., works	100 lbs.	5.41	—
M, dms., c.l., works	100 lbs.	5.41	—
N, dms., c.l., works	100 lbs.	5.46	—
WG, dms., c.l., works	100 lbs.	5.54	—
WW, dms., c.l., works	100 lbs.	5.71	—
X, dms., c.l., works	100 lbs.	5.81	—
Rotenone, CP, bbls., works	lb.	20.00	—
tech., works	lb.	16.50	—
Rottenstone, bgs., c.l., mines	ton.	36.00	—
l.c.l., mines	ton.	43.00	—
Rue herb, bls	lb.	.35	.40
Rutin, 10 kilos, fib. dms	gram.	.03½-	.04½
smaller lots, fib. dms	gram.	.04	.05
Ryania, 100% powd., bgs., works	lb.	.20	—

S

Sabadilla seed, powd., bbls., activated ground with lime,	bbls	.70	—
	lb.	.40	—
Saccharin, USP gran., soluble, dms., 1,000-lb. lots	lb.	1.50	—
smaller lots	lb.	1.60	1.70
powd., soluble, insoluble, dms., 1,000-lb. lots	lb.	1.55	—
smaller lots	lb.	1.65	1.85
Safflower, Egyptian, bls	lb.	.75	.80
Saffron, Mexican, bls	lb.	.95	1.00
Spanish, USP, tins	lb.	17.00	-18.00
Safrol, dms.	lb.	.85	1.10
Sage, Cyprus, bales	lb.	.12	.13
Dalmatian, bls	lb.	1.15	1.20
Greek, fancy, bls	lb.	.23	.25
Spanish, bls	lb.	.12	.12½
Syrian, bls	lb.	.19	.19½
Sago flour, bgs	lb.	.0680-	.07
Saligenin, ctns	lb.	14.00	-25.00
Salol, NF, gran., bbls., kgs	lb.	1.00	—
fib. dms	lb.	1.02	1.03
powdered salol, 10c. higher			
Salt, rock, burlap bgs., c.l.	100 lbs.	.98	—
l.c.l.	100 lbs.	1.19	1.22
paper bgs., c.l.	100 lbs.	.88	—
l.c.l.	100 lbs.	1.09	1.12
Table, vacuum, common, fine, bgs., c.l., works	100 lbs.	.98	1.08
l.c.l., dlvd.	100 lbs.	1.20	1.32
Saltcake, dom., bulk, dlvd, 100% Na_2SO_4 basis	ton.	22.00	—
Saltpeter, cryst., bbls., 10 tons	100 lbs.	13.90	—
smaller lots	100 lbs.	14.15	-14.40
gran., bbls., 20 tons	100 lbs.	9.25	—
smaller lots	100 lbs.	10.50	-11.00
powd., bbls., 20 tons	100 lbs.	10.25	—
smaller lots	100 lbs.	11.50	-12.00
NF, gran., dms	lb.	.15¾-	.17¾

Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.

Sandalwood chips, East indies, bgs.,	lb.	.65	.66
powd., dms.	lb.	.75	.76
Sanguinarine nitrate, bots	oz.	4.75	5.50
Santonin, NF, cryst., powd., cns.	kilo.	No stocks.	
Saponin No. 1, cns	lb.	2.45	—
Sarsaparilla root, dom., bls	lb.	.30	.40
Honduras, bls.	lb	40	45
Mexican, bls.	lb.	.28	.30
Sassafras bark, ord., bls	lb.	.35	.40
select, bls	lb.	.50	.55
Savory, French, bls	lb.	.10	.10½
Spanish, bls	lyb.	.10	.10½
Saw palmetto berries, bgs.	lb.	.23	.24
Scammony resin, lump, cns	lb.	1.95	2.20
powd., cns.	lb.	2.05	2.30
Root, bgs	lb.	.11	.14
Schaeffer's salt, bgs	lb.	.66	—
Scopolamine hydrobromide, bots	oz.	16.00	-17.00
Hydrochloride, bots	oz.	84.00	—
Seidlitz mixture, bbls., 5,000 lbs	lb.	.25¾-	—
smaller lots	lb.	.26¼-	—
dms., 100 lbs. or less	lb.	.27¼-	.31¼
Selenium, powd., cns., 10-lb lots	lb.	2.35	—
cs., 1,000-lb lots	lb.	2.25	—
Senega root, bls	lb.	1.65	1.70
Senna leaf, Alex., half-leaf, bls	lb.	.16	.18
sifting, bgs.	lb.	.16	.18
Tinnevelly, No. 1, bls	lb.	.15	.17
No. 2, bls	lb.	.14	.19
No. 3, bls	lb.	.10	.11
powdered, bls., bxs.	lb.	.16	.22
Pods, bls	lb.	.12	15
Serpentaria root, bls	lb.	2.20	Nom.
Sesame seed, Chinese, white, natural, afloat, bgs	lb.	.12½-	.13
hulled, bgs	lb.	.17½-	.18
Nicaragua, hulled	lb.	.20½-	.24
natural, bgs., afloat	lb.	.13¼-	.14
Salvadorean	lb.	.13	Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots	lb.	.47½-	—
bbls., 1,500-lb. lots	lb.	.48	—
kgs., 1,500-lb. lots	lb.	.50	—
refined, bgs., 1,500-lb. lots	lb.	.57½-	—
bbls., 1,500-lb. lots	lb.	.58	—
kgs., 1,500-lb. lots	lb.	.60	—

Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs	lb.	.45	.46
No. 2, bgs	lb.	.43	.44
Superfine, bgs., 10 bgs	lb.	.41	.42
TN, bgs., 10 bgs	lb.	.39	.40

Shellac in 1 to 9 bgs., 1c. more.

Silica amorph., dry-grd., 325 mesh, bgs., c.l., ill. works	ton.	20.00	-30.00
l.c.l., works	ton.	25.00	-40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	20.00	—
l.c.l., works	ton.	25.00	—
140 mesh, bgs., c.l., works	ton.	12.00	—
l.c.l., works	ton.	17.00	—
Tetrachloride, tech., dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.18½-	.20½
Silver bullion, ingots, cs	oz.	.72¾-	—
Cyanide, fib. dms., 2,500-oz. lots.	oz.	.66⅜-	—
1,000-oz. lots	oz.	.66⅝-	—
500-oz. lots	oz.	.66⅞-	—
100-oz. lots	oz.	.67⅛-	—
Nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	.46½-	—
1,000-oz. lots	oz.	.47¾-	—
500-oz. lots	oz.	.48½-	—
250-oz. lots	oz.	.48¾-	—
USP granular silver nitrate, 4c. per oz. higher.			
Proteinate, mild, USP, bots., dms., 1,000-oz. lots	oz.	.95	—
strong, NF, bots., dms., 1,000-oz. lots	oz.	.90	—
Simaruba bark, bls.	lb.	.85	Nom.
Skullcap herb, Eastern, bls	lb.	.60	.65
Western, bls	lb.	.30	.35
Skunk cabbage root, bls	lb.	.30	.35
Slate flour, bgs., c.l., works	ton.	11.00	-12.00
l.c.l., ex whse	ton.	20.00	-60.00
Sloe berries, bgs	lb.	.32	.35
Smalt, black, ctns	lb.	.11½-	—
Blue, ctns.	lb.	.15½-	—
Snakeroot, Canada, bls	lb.	.45	.50
Soapbark, bls	lb.	.22	.23
crushed, bls., bbls	lb.	.26	.28
cut, foreign, bbls	lb.	.25	.26
powd., bbls.	lb.	.27	.28
Soda ash, dense, 58%, paper bgs., c.l., works	100 lbs.	1.45	—
l.c.l., stock points	100 lbs.	2.85	- 4.62
bbls., c.l., works	100 lbs.	1.95	—
l.c.l., stock points	100 lbs.	3.35	- 5.12
bulk, c.l., works	100 lbs.	1.20	—
light, 58%, paper bgs., c.l., works	100 lbs.	1.35	—
l.c.l., stock points	100 lbs.	2.75	- 4.52
bbls., c.l., works	100 lbs.	1.85	—
l.c.l., stock points	100 lbs.	3.25	- 5.02
bulk, c.l., works	100 lbs.	1.10	—
Caustic, flake, powd., 76%, dms., c.l., works	100 lbs.	3.60	—
l.c.l., stock points	100 lbs.	4.95	- 6.77
liquid, 50%, sellers' tanks, works, dry basis	100 lbs.	2.40	—
rayon-type, tanks, works, dry basis	100 lbs.	2.50	—
70%, sellers' tanks, works, dry basis	100 lbs.	2.50	—
rayon-type, tanks, works, dry basis	100 lbs.	2.60	—
solid, 76%, dms., c.l., works,	100 lbs.	3.20	—
l.c.l., stock points	100 lbs.	4.55	- 6.42
Sal, bgs., c.l., ex car	100 lbs.	1.58	—
l.c.l., bgs., ex whse	100 lbs.	1.78	—
Soda-lime, USP, dms	lb.	.23	.25
Sodium acetate, anhyd., dms., works	lb.	.10	.11½
NF, cryst., bbls., works	lb.	.16	—
powder, bbls., works	lb.	.08	.09
Alginate, refined, water soluble, bbls., works	lb.	.79	—
semi-refined, bbls., works	lb.	.46	—
NF, white, powd., dms., works,	ton lots	lb.	1.25	—
Aluminate, 20,000 lbs. or more, bgs	100 lbs.	8.50	—
under 20,000 lbs., works	100 lbs.	9.50	—
Antimoniate, bbls., c.l., dlvd. E.	lb.	.23¼-	—
l.c.l., dlvd.	lb.	.24¼-	—
Arsenate, dealers, dms., c.l., works.	lb.	.12	—
Arsenite, dealers, dms., works	lb.	No stocks.	
solution, dms., works	gal.	.60	- 1.00
Benzoate, tech., bbls., dms.,	100 lbs.	.39	—
USP, bbls., dms., 100 lbs. or more	lb.	.46	—
smaller lots	lb	1.30	- 1.65
Bicarbonate, USP, gran., bgs., c.l., works	100 lbs.	2.35	—
l.c.l., works	100 lbs	3.00	—
powd., bgs., c.l., works	100 lbs.	1.95	—
l.c.l., works	100 lbs	2.60	—
Bichromate, bgs., works	lb.	.09¾-	.10¾
Sodium bichromate, in drums, ¾c. higher.			
Bifluoride, bbls., c.l., works, frt. equald	lb.	.13¼-	—
l.c.l., same basis	lb.	.13½-	—
Bisulphate, bulk, c.l., works	100 lbs.	1.75	—
dms., c.l., works	100 lbs.	2.40	—
l.c.l. works	100 lbs.	2.90	—
Bisulphite, powd., bgs., c.l., works,	100 lbs.	3.75	—
l.c.l., works	100 lbs.	4.00	—
solut. 35° bbls., c.l., works	100 lbs.	1.10	—
l.c.l. works	100 lbs	1.50	—
Borate (see Borax).			
Bromide, USP, bbls., kgs., works,	lb	.33	.34
Cacodylate, NF, jars, dms	lb.	7.00	- 8.00
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs., c.l., works	100 lbs.	2.55	—
l.c.l., works	100 lbs.	2.75	—
Chlorate, cryst., dms., c.l., works	lb.	.08	—
l.c.l., works	lb.	.08¼-	—
powd., kgs., works	lb.	.09½-	—
Chloride, tech. (see Salt).			
USP, dms	lb.	.21	—
Chlorite, tech., dms., works	lb.	.75	—
Chloroacetate, tech., dms., c.l., works	lb.	.20	—
l.c.l. dms., works	lb.	.21	.22
Chromate, dms., works	lb.	.11½-	.12¼
Citrate, anhyd, dms.	lb.	.60	.65
USP VIII, dms	lb.	.21½-	.26½
USP XIII, gran., dms	lb.	.28	.32
Sodium citrate, USP XIII, powd., prices ½c. higher.			
Cyanate, dms., 1,000 lbs., works,	lb.	1.10	—
smaller lots, works	lb.	1.25	—
Cyanide, 96-98%, dms.	lb.	.16	.18
Diacetate, 33-35% acidity, bbls., works	lb.	.11½-	.12¼
anhydrous, dms., works	lb.	.14	.15½
Fluoride, white, 90%, bbls., c.l., works	lb.	.10½-	—
l.c.l., works	lb.	.10¾-	.11
95%, bbls., c.l., works	lb.	.10¾-	—
l.c.l., works	lb.	.11	—
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works	lb.	12.00	—
2 to 25 tins to case, works	lb.	12.00	-16.50
1 oz. tins, 16 to 64 to case, works	lb.	16.50	-21.00
tribasic, ton lots	lb.	11.00	—
Formate, bgs., c.l., dlvd.	100 lbs.	7.10	—
l.c.l.	100 lbs.	8.15	—
Gluconate, dms.	lb.	.83	.85
Glutamate, monobasic, dms., c.l., dlvd	lb.	1.53	—
smaller quantities, dlvd	lb.	1.54	- 1.56
Glycerophosphate, NF, flake, bbls.	lb.	1.65	- 1.80
powder, bbls.	lb.	1.70	- 1.85
solution, 75%, cbys	lb.	.96	- 1.06
Hydride, dms., works	lb.	2.00	- 3.00
Hydrosulphide (see Sodium sulphydrate).			
Sodium hydrosulphite, dms., c.l., frt. alld	lb.	.21	—
l.c.l., frt. alld	lb.	.21½-	.23½
Hydroxide, tech. (see Soda, caustic).			
USP, pellets, dms	lb.	.23	—
Hypophosphite, NF, ton lots and less, dms	lb.	.85	.88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area	100 lbs.	4.10	—
tech., cryst., bgs., c.l., works, frt. equald	100 lbs.	3.75	—
l.c.l., same basis	100 lbs.	4.10	—
pea, bgs.	100 lbs.	3.90	- 4.85
gran., bgs., c.l., works	100 lbs.	4.00	—
Sodium, hyposulphite, crystals in bbls., 50c. higher.			
USP (see Sodium thiosulphate).			
Iodide, USP, bots., dms	lb.	2.47	- 2.59
Lactate, edible, 50%, dms., cbys., works	lb.	.19	—
60%, dms., cbys., works	lb.	.24	—
tech., 50%, dms., cbys., works,	lb.	.13	.14
Metaborate, octa-hydrate, gran., bgs., c.l., works	ton.	73.00	—
l.c.l., works	ton.	118.00	-123.00
tetrahydrate, c.l., bbls., works,	ton.	184.50	—

Sodium metaborate in bbls. $20 per ton higher.

Metal, tanks, works	lb.	.16	—
bricks, dms., works	lb.	.17	.18
Metanilate, bgs.	lb.	.57	—
Metasilicate, anhyd., dms., c.l., 100 lbs.	100 lbs.	4.25	—
l.c.l., dms., works	100 lbs.	5.75	—
pentahydrate, bgs., c.l., works, 100 lbs.	100 lbs.	3.50	—
l.c.l., bgs., works	100 lbs.	3.90	- 6.40
bbls., c.l., works	100 lbs.	3.90	—
l.c.l., bbls., works	100 lbs.	4.30	—
Molybdate, anhyd., works	lb.	.54	—
Monohydrate (see Sodium carbonate, monohydrated).			
Naphthionate, bbls	lb.	60	.65
Nitrate, crude, dom., bgs., c.l., works	ton.	48.50	—
bulk, c.l., works	lb	45.00	—
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse.	ton.	51.50	—
bulk, c.l., same basis	ton.	48.00	—
Nitrite, 90%, bbls., c.l., works, frt. equald	lb.	.07¼-	—
l.c.l., same basis	lb.	.08¾-	—
USP, dms	lb.	.21	—
Orthosilicate, anhyd., dms., c.l., works	100 lbs.	5.25	—
l.c.l., same basis	100 lbs.	5.55	- 7.10
hydrated, flake, bbls., c.l., works, 100 lbs.	100 lbs.	4.25	—
l.c.l., works	100 lbs.	5.50	5.75
Oxalate, neut., bgs., works	lb.	.09½-	—
Para-aminobenzoate, dms., 1,000 lbs. or more	lb	3.50	—
smaller lots	lb.	3.65	—
Para-aminosalicylate, dms., 1,000 lbs. or more	lb.	5.25	—
smaller lots	lb.	5.30	- 6.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald	lb.	.21½-	—
l.c.l., same oasis	lb.	.22½-	.24½
pellets, bgs., c.l., same basis	lb.	.21	—
l.c.l., same basis	lb.	.22	.24
powd., bgs., c.l., same basis	lb.	.20	—
l.c.l., same basis	lb.	.21	.23

Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.

Perborate, USP, tech., bbls., c.l., works	lb.	.13¾-	—
l.c.l. works	lb	.19¼-	—
Peroxide, dms., c.l., dlvd. E. of Miss	lb.	.18	—
l.c.l., same basis	lb.	.18½-	.19
Phenolsulphonate, USP IX, gran.,	dms	lb.	.38	.39
powd., dms.	lb.	.41	.42
Phosphate, dibasic, anhydr., bgs., c.l., works	100 lbs.	6.75	- 7.00
l.c.l., works	100 lbs	7.25	7.50
cryst., bgs. c.l., works	100 lbs.	4.00	—
l.c.l., works	100 lbs.	4.40	—
USP, dried, powd., bgs., dms. works	lb.	.19	.20½
monobasic, anhyd., bgs., c.l., works	100 lbs.	7.80	—
l.c.l., works	100 lbs.	8.20	—
tribasic, cryst., bgs., c.l., wks., frt. equald	100 lbs.	3.90	—
l.c.l., same basis	100 lbs.	4.30	—

Sodium phosphates in bbls. 40c. higher than bgs

USP (see Sodium phosphate dibasic).			
Prussiate, yellow, bgs	lb.	.12½-	—
Pyrophosphate, acid, bgs., c.l., works, frt. equald	100 lbs.	10.50	—
ferric, dms., 1,500 lbs., works,	lb.	.30	—
smaller lots, works	lb.	.31	—
tetrabasic, anhyd., bgs., c.l., works, frt. equald	100 lbs.	7.15	—
l.c.l., frt. equald	100 lbs.	7.55	—
Salicylate, USP, dms	lb.	.59	.62
Sesquicarbonate, bgs., c.l., works.	100 lbs.	1.95	—
l.c.l., dlvd. zone 1	100 lbs.	3.70	- 4.10
zone 2	100 lbs.	3.96	4.36
zone 3	100 lbs.	4.25	- 4.65
zone 4	100 lbs.	4.96	- 5.35

Sales zones are: (1) All States E. of Miss. R. and N of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W of 96°, Kan., Neb. W of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, bbls., c.l., works	100 lbs.	2.45	—
l.c.l. dlvd	100 lbs	4.15	—
tanks, works	100 lbs	4.40	5.65
Silicate, liquid, 40°, turbid., dms., c.l., works	ton.	16.00	-17.00
l.c.l., works	100 lbs.	1.10	—
tanks, works	100 lbs.	1.45	- 1.85
52°, turbid., dms., c.l., works	ton.	17.00	—
l.c.l., works	100 lbs.	1.90	—
tanks, works	100 lbs.	2.25	—
solid, bgs., works	ton.	33.00	—
Silicofluoride, bbls., c.l., works	ton.	50.00	—
l.c.l., works	lb.	.04½-	—
Stannate, dms., works, frt. alld E.	lb.	.049	—
Stearate, USP, anhyd., bbls., works	lb.	.507	.572
Sulphanilate, bbls., works	lb.	.51	.56
Sulphate, NF VII, dried, gran., dms	lb.	.22	—
tech., anhyd., bgs., c.l., works.	lb.	.14½-	.16½
cryst. (see Glauber's salt).	100 lbs.	2.00	—
USP, cryst., bbls	100 lbs	2.35	- 2.60
	lb.	.17	.19
gran., bbls.	lb.	.17	.17¼

Sodium sulphide, flake, bbls., c.l., works, frt. equald.100 lbs. 4.50 - —
t.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs. 4.00 - —
t.c.l., same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald ... 100 lbs. 2.50 - 2.75
t.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works .100 lbs. 6.50 - —
t.c.l., same basis 100 lbs. 7.00 - —
crystals, bgs., c.l., works.100 lbs. 4.10 - —
t.c.l., works .....100 lbs. 4.50 - 4.75
bbls., c.l., works.....100 lbs. 4.50 - —
t.c.l., works .....100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. ..... lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. ..lb. .05¾- —
t.c.l., works .....lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03 - —
t.c.l., works.....lb. .03¼- —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., dms., works.....lb .30 —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls. .....lb. .10 .12
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works.....lb. .10¼- —
1 ton or less, works.....lb. .10½- .11
Trichloroacetate, dms. .....lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald.....100 lbs. 7.25 - —
t.c.l., same basis...100 lbs. 7.65 - —
Tungstate, tech., kgs., dlvd., East. lb. 1.10 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde, sulfoxylate, dlvd., dms..lb. .22 - .22½
Sodium-sulpha drugs (see Sulpha names).
Sodium-titanium fluoride, fib. dms., c.l., works. lb. .16½- —
t.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works...lb. .28 - —
less 1,000 lbs., same basis .lb. .30 - —
Solvent naphtha, coaltar tanks, works gal. .25 - .3235
high-flash, tanks, works ..gal. .25 - .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex..gal. .28 - —
150° F. flash, tanks same basis-gal. .28 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works. lb. .30 - .31
10,000 to 20,000 lbs., works. lb. .32 - .33
smaller lots, works..... lb. .35 - .38
tristearate, fib. dms., 20,000 lbs. works..lb. .30 - —
10,000 to 20,000 lbs., works lb. .32 - —
smaller lots, works.....lb. .35 - .37
Sorbitol, cryst. pellets, dms., c.l., works lb. .30 - —
ton lots to 5 tons, works. lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works..lb. .22¼- —
ton lots, works .....lb. .23¼- —
less ton lots, works...lb. .24 - —
tanks, works .....lb. .21¼- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works ... lb. .17 - —
less ton lots, works. lb. .17½- —
tanks, works .....lb. .15½- —
Soybean meal, 41% bulk, Decatur ton.88.00 - —
50%, same basis....ton.101.50 - —
protein, chemically isolated, 40,000 lbs., works..lb. .2150- —
20,000 lbs., works.....lb. .2175- —
smaller lots, works.... lb. .2200- .2550
mechanically refined, bgs., 40,000 lbs., works..lb. .0600- —
20,000 lbs., works.....lb. .0615- —
smaller lots, works.....lb. .0630- —
Sparteine sulphate, cns.....oz. .85 - 1.25
Spearmint leaves, bls.....lb. .52 - .55
Spikenard root, bls .....lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —
Squaw vine leaves, bls.....lb. .39 - .35
Squill, red, fortified, powd., bbls. boxes..lb. 1.60 - —
White, bls. .....lb. .11 - .13
powd., bbls., bxs.....lb. .16 - .18
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls.....lb. .13 - .18
Stainless steel flake, dry, dms., works. lb. 1.30 - —
paste, dms., works.....lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.92 - —
Chicago .....100 lbs. 5.27 - —
t.c.l. .....100 lbs. 6.07 - —
powd., paper bgs., c.l....100 lbs. 6.03 - —
Chicago .....100 lbs. 5.38 - —
t.c.l. .....100 lbs. 6.18 - —
Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. .05 - —
t.c.l., spot.....lb. .07¼- .07½
Maine, bgs., c.l., works....lb. .05½- —
t.c.l., spot.....lb. .07¼- .07½
Rice, bgs. .....lb. .10¾- .11
Sweetpotato, bgs., c.l.....lb. No stocks.
Wheat, bgs. .....lb. .0606- .0626
Stavesacre seed, bgs .....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. .....lb. .35 - .38
Stoneroot, bls .....lb. .07¼- .08
Storax, USP cs.....lb. 1.50 - 1.60
Stramonium leaves, bgs .....lb. .22 - .24
Seed, bgs .....lb. .20 - .21
Streptomycin, hospitals, vials..gram. .60 - —
wholesalers, vials .....gram. .48 - —
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, dms.....lb. .15½- .16½
Chloride, tech., bbls..... lb. .22 - .24
Chromate, bbls., works.....lb. .50 - —
Iodide, jars, 25 lbs .....lb. 3.60 - —
Nitrate, bbls., c.l., works.....lb. .09¼- —
t.c.l., works .....lb. .10¼- —
Oxalate, bbls., works.....lb. .42 - .44
Salicylate, NF, dms .....lb. 1.23 - 1.32
Sulphate, air-floated, 90% 325 mesh, bgs., works ton.56.70 -66.15
Strontium-calcium sulphide, phosphorescent, dms., works. lb 2.50 - 2.85
Strophanthin, NF, bots .....oz.39.00 - —
Strophanthus seed, Kombe, bgs lb. 3.00 - 3.25
Strychnine, NF powd., cns. 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs ..... oz. 1.14 - —
Sulphate, USP powd., cns., 100 ozs oz. 1.00 - —
Styrene, monomer, dms., c.l., works. lb. .17¾- —
t.c.l., works .....lb. .18¾- —
tanks, works .....lb. .16½- —
Styrolyl acetate, bots .....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., t.c.l., works lb. .60 - —
tech., bbls., t.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring)
Sugar of milk (see Milk sugar)
Sulfabenzamide, dms .....lb 4.25 - 4.60
Sulphabenzamide-sodium, dms ...lb 4.25 - 4.60

Sulphadiazin, USP, crystals, free flowing, dms..lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms..lb.10.50 -11.00
powder .....lb.10.25 -10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb.12.25 -12.75
powder .....lb.11.25 -11.75
Sulphaguanidin, USP, dms.....lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms lb.10.55 -11.05
powder, dms .....lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals.. lb. 8.80 - 9.30
powder .....lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing..lb. 1.15 - 1.35
microcrystals .....lb. 1.30 - 1.50
powder .....lb. 1.05 - 1.25
Sulphanilamidoquinoxaline, veterinary, dms lb. 9.00 - 9.25
Sulphapyridin, NF powd. bots. tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing .lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms...lb. 3.25 - 3.55
powder, dms. .....lb. 3.00 - 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 - 3.30
Sulphur, com'l, rubbermakers, bgs., c.l., works..100 lbs. 1.75 - —
t.c.l., works ... 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton.18.00 - —
vessel f.o.b. Gulf ports, export, long ton.22.00 -24.00
f.o.b. ship for domestic and Canada..long ton.19.50 - —

Sulphur flour, com'l, 90½%, bgs., c.l., works..100 lbs. 1.80 - —
t.c.l., works.....100 lbs. 1.95 - 2.06
precipitated, USP, bbls., kgs....lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works .100 lbs 3.00 - —
t.c.l., works .100 lbs. 3.35 - 3.70
heavy, bgs., c.l. works.100 lbs. 2.80 - —
t.c.l., works .....100 lbs. 3.13 - 3.50
flowers, USP, bgs., c.l., works.. 100 lbs. 3.35 - —
t.c.l., works ....100 lbs. 4.20 - 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works...100 lbs. 2.40 - —
t.c.l., works .....100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works....100 lbs. 2.70 - —
t.c.l., works .....100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.35 - —
t.c.l., bgs., works ....100 lbs. 2.70 - 3.05
Chloride, mono, 55-gal. dms., c.l., frt. equald .lb. .03¼- —
t.c.l., same basis .....lb. .04¼- —
tanks, same basis .....lb. .03 - —
Dioxide, liquid, com'l, cyls., works .lb. .09 - —
multi-unit cars, works....lb. .0535- —
tanks, works .....lb. .043 - —
refrigeration, cyls., l.c.l., dlvd..lb. .20 - .36
Sumac bark, 28%, grd., bgs., ex dock .....ton.65.00 -66.00
Extract, No. 1, bbls., 25%.....lb. .10½- —
No. 2, bbls., 25%.....lb. .09 - —
crystals, bbls. .....lb. .40 - —
stainless, bbls. .....lb. .14½- —
Leaf, 28% grd., bgs., ex-dock, ton.67.00 -68.00

Sodium Sulphide—Tamarind

Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baltc. unit-ton. .76 - —
Carteret, N. J....unit-ton. .70 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla.unit-ton. .80 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, imported, bls .....lb. No stocks.

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works..ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
t.c.l., works.....ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works..ton.24.00 - —
t.c.l. .....ton.26.50 -28.00
98.3-99.5%, 325 mesh, bgs., c.l., works..ton.23.00 -28.00
t.c.l., works.....ton.25.00 -32.00
imp., Canada, grd., bgs., c.l., mines ton.12.50 -25.00
Tallow, edible, dms., c.l.....lb. .11¼ Nom.
inedible, extra, loose, c.l., dlvd lb. .07¼- —
fancy, loose, c.l., dlvd .....lb. .07 - —
special, loose, c.l., dlvd .....lb. .06¾- —
sulphonated, 25%, dms.....lb. .07 - .07½
50%, dms. .....lb. .09½- .10
Tamarind, W. I., bbls.....lb. .10 - .15
kegs .....keg.10.00 - —

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... you get the ultimate in quality—the kind of quality you would expect from America's leading producer of alkalies. But in addition, you get the fast, dependable delivery service which can only come from a company having more than one plant ... and over 200 local stock points from coast to coast. You also get Solvay's exclusive Technical Service ... men trained in the textile industry.
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Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Tankage—Yellow, Barium Chromate

Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton. 7.50 - —
Chicago .....unit-ton. 8.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton. No stocks.
10-11% ammon., 15% b.p.l., bulk, unit-ton. No stocks.
Tansy leaves, bls.....lb. .24 - .30
Tapioca flour, high grade, bgs..lb. .07 - .07½
medium grades, bgs.....lb. .06½- .07
low grades, bgs.....lb. .05½- .06
Java, bgs.....lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald..gal. .41 - —
l.c.l., same basis.....gal. .44 - —
tanks, same basis.....gal. .33 - —
25-28%, dms., c.l., works..gal. .48 - —
l.c.l., same basis.....gal. .51 - —
tanks, same basis.....gal. .40 - —
50-53%, dms., c.l., same basis, gal. .58 - —
l.c.l., same basis.....gal. .61 - —
tanks, same basis.....gal. .50 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports..long ton. No prices.
powd., bgs., c.l., same basis.....long ton.225.00 Nom.
Tarragon herb, bgs.....lb. .45 - .50
Leaves, bgs.....lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .46 - —
dms.....lb. .47 - .51
USP, powd., bbls., dms., kgs..lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l..lb. .24½- —
l.c.l.....lb. .25 - .25½
NF, cryst., bbls., dms.....lb. .75 - —
powd., bbls., dms.....lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
prime, dms.....lb. .33 - .60
Terpinglycol ether, dms., c.l., works, lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½- .70½
prime, cns., dms.....lb. .55 - .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms.....gm. 3.75 - —
Propionate, USP., 100 gms.....gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works..lb. .20½- .21½
smaller dms., works.....lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works, lb. .70 - —
Pyrophosphate, 40% cns., dms., works..lb. .65 - .70
Tetraethylenepentamine, dms., c.l., works..lb. .51½- —
l.c.l., works.....lb. .52 - —
tanks.....lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd.....lb.12.50 -15.00
sulphate, 99%, bots., dlvd.....lb.10.50 -13.00
Theobromine, fib. dms.....lb. 4.50 - 4.55
Salicylate, fib, dms.....lb. 4.00 - 4.05
with sodium acetate, USP, dms lb. 3.65 - 3.70
Sodio-salicylate, fib, dms.....lb. 2.90 - 2.95
Theophylline, anhyd., or USP, 100-lb. dms..lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo.160.00 - —
Mononitrate, bots., 100 grams kilo.160.00 - —
Thiocarbanilide, dms.....lb. .40 - .42
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works.....lb 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works.....lb. .44 - —
Thorium nitrate, cs., works.....lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs.....lb. .15½- .16
Spanish, bls.....lb. .08½- .09
Thymol, kgs.....lb. 3.50 - —
Iodide, NF, dms.....lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works..lb. .793 - .803
Crystals, hydrous, bgs., bbls., works..lb. .65 - —
Metal.....lb. .91¾- —
Oxide, bbls.....lb. .94 - .95
Sulphate, stannous, bbls., kgs., works..lb. .906 - .926
Tetrachloride, anhyd., dms., works..lb. .54 - .55
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd.....lb. .19½- —
l.c.l., dlvd.....lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd, lb. .19½- —
l.c.l., dlvd.....lb. .20 - .20½
plain, bgs., c.l., dlvd.....lb. .19½- —
l.c.l., dlvd.....lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works..lb. .05 - —
5-ton lots, works..lb. .05¼- —
milled, bgs., c.l., works..lb. .05¼- —
5-ton lots, works..lb. .05½- —
nonchalking, bgs., c.l., dlvd. E, lb. .21½- —
l.c.l., dlvd. E.....lb. .22 - .22½
Hydride, cns., works..lb. 7.00 - 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd..lb. .07½- .07¾
l.c.l., dlvd.....lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 55 gal. dms..lb. .57 - .58
smaller, pkgs., works.....lb. .65 - 1.22
technical, 5-gal. dms., works..lb. .32 - —
smaller pkgs., works.....lb. 40 - 1.00
Tolu balsam, cns., dms.....lb. 3.40 - 3.50
Toluene (see Toluol).
Tolidin base, distilled, kgs.....lb. 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa.....gal. .24½- —
Birmingham dist.....gal. .23¼- —
Chicago district.....gal. .25½- —
Cleveland district.....gal. .25¾- —
Lone Star, Tex.....gal. .24½- —
Geneva, Utah.....gal. .18¼- —
Hamilton, Ohio.....gal. .25 - —
Johnstown, Pa.....gal. .23 - —
Lackawanna, N. Y.....gal. .26 - —
Lorain, Ohio.....gal. .24 - —
Minequa, Colo.....gal. .23½- —
Philadelphia, Pa.....gal. .26½- —
Pittsburgh district...gal. .23 - —
Sparrow's Point, Md...gal. .24½- —
St. Louis, Mo.....gal. .26 - —
Syracuse, N. Y.....gal. .23½- —
Terre Haute, Ind.....gal. .26½- —
Wyandotte, Mich.....gal. .26 - —
Youngstown, Ohio.....gal. .23½- —
Petroleum, industrial, 2°, tanks, works—
Albany, N. Y.....gal. .30 - —
Bayonne, N. J.....gal. .30 - —
Baytown, Tex.....gal. .28 - —
Chicago, Ill.....gal. .30 - —
Detroit, Mich.....gal. .30 - —
Philadelphia, Pa.....gal. .30 - —
Providence, R. I.....gal. .30 - —
Wood River, Ill.....gal. .28 - —
Tonga, 50% bark and vine, bls. ..lb .80 - .95
Tonka beans, Angostura, cks....lb. 1.75 - 1.80
Brazilian, cs.....lb. 1.00 - 1.15
Surinam, cs.....lb. 1.00 - 1.15
Toxaphene, dms., works, c.l.....lb. .20 - —
truckloads, works.....lb. .20 - —
ton to truckloads, works....lb. .23 - —
less than tons, works.....lb. .26 - —
Totaquine, 100-oz. tots.....oz. .42 - —
Triacetin, dms., dlvd.....lb. .35½- —
Tributyl citrate, dms.....lb. .41 - .43
smaller containers.....lb. .46 - .52
Phosphate, dms. c.l., frt. alld lb. .56½- —
l.c.l., same basis.....lb. .57½- —
smaller containers.....lb. .71 - —
Tributylamine, dms., c.l., frt. alld.lb. .78¾- —
l.c.l., same basis.....lb. .79¾- —
tanks, same basis.....lb. .77 - —
Trichlorobenzene, dms., c.l., works, frt. alld..lb. .10½- —
l.c.l. frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09 - —
Prices in the West, 1¾c. higher.
Trichloroethane, dms., c.l., works.lb. .13 - —
l.c.l., works.....lb. .13½- —
tanks, works.....lb. .11½- —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald, lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .10 - —
Trichloroethylene, dms., c.l., dlvd. E..lb. .11¼- —
l.c.l., dlvd. E.....lb. .11¾- —
tanks, dlvd. E.....lb. .10¼- —
Tricholine citrate, 65% solut., ret., cbys., works, frt. adjusted, lb. 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd..lb. .31½- —
l.c.l., dlvd.....lb. .32½- —
tanks, dlvd.....lb. .30 - —
petroleum, dms., c.l., dlvd..lb. .31½- —
l.c.l., dlvd.....lb. .32½- —
tanks, dlvd.....lb. .30 - —
Triethanolamine, dms., c.l., frt. alld, E..lb. .23 - —
l.c.l., same basis.....lb. .24 - —
tanks, same basis.....lb. .21½- —
Triethylamine, dms., c.l., works, frt. alld, E..lb. .31¾- —
l.c.l., same basis.....lb. .32¾- —
tanks, same basis.....lb. .30 - —
Triethyl citrate, dms.....lb. .34 - .36
smaller containers.....lb. .39 - .45
Phosphate, dms., works, c.l....lb. .38 - —
l.c.l., same basis.....lb. .39 - —
tanks, same basis.....lb. .37 - —
Triethylenegtycol, dms., c.l., frt. alld., E..lb. .20½- —
l.c.l., same basis.....lb. .21½- —
tanks, same basis.....lb. .19 - —
Triethylenetetramine, dms., c.l., works..lb. .51½- —
l.c.l., works.....lb. .52 - —
tanks.....lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, lb. .38 - —
l.c.l., works, frt. equald, 100% basis..lb. .38½- —
tanks, works, frt. equald., 100% basis..lb. .33 - —
Trimethylhexanol, dms., c.l., works, lb. .29½- —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works, lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald..lb. .32 - —
l.c.l., frt. equald.....lb. .33 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works, lb. .0175- —
double-grd., bgs., c.l., works..lb. .016 - —
single-grd., bgs., c.l., works...lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate trihasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, 1:25, dms., works.....lb 2.30 - —
1:50, dms., works.....lb 4.25 - —
1:75, dms., works.....lb 5.50 - —
1:100, fib. dms., works.....lb 5.50 - —
Tryptophane, dextro-laevo, fib. ctns. works kilo.207.00 -242.00
Tuba root (see Cube root).
Tungsten metal powd., 99.9%, dms. works..lb. 4.50 - 4.75
Oxide, kgs., works.....lb. 2.85 - —
Turmeric root, Alleppey, bgs....lb. .32 - .35
Haitian, bgs.....lb. .10 - .10¼
Jamaica, bgs.....lb. .10 - .10½
Madras, bgs.....lb. .16 - .16½
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ret. dms., East.....gal. .47 - .56
Wood, dest.-dist., dms., incl., c.l., works, South..gal. .40 - —
l.c.l., same basis....gal. .41 - —
N. Y. whse.....gal. .47 - —
tanks, works, South ...gal. 27½- —
Tyrothricin, bots.....gram 1.00 - 1.10
steam-dist., dms., incl., c.l., works gal. .50 - —
l.c.l., works, South.....gal. .56 - —
ex whse., NYC.....gal. .68 - —
tanks, works.....gal. .37 - —

U

Urethane, USP, dms.....lb. 1.25 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb 2.55 - —
yellow, kgs.....lb 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb .04½- —
l.c.l., works lb .05 - —
42% N, bulk, c.l., 30 tons, frt. alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton.94.00 - —
bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton.116.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va ton.125.00 - —
C and D grades, same basis, ton.123.50 - —
37 grade, same basis.....ton.147.50 - —
Uva ursi leaves, bls.....lb. .08 - .10

V

Valerian root, Belgian, NF, bls lb. .40 - .45
Valine, dextro-laevo dms. works.lb.22.50 -27.50
Valonia beards, bgs., ex dock..ton.78.00 Nom.
Cups, bgs., ex dock.....ton.53.00 - —
Extract, powd., bgs., ex dock, duty extra lb. .09½- —
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech. dms. works lb 1.00 - 1.06
Vanilla beans, Bourbon, tins....lb. 4.00 - 4.25
Mexican, cuts, tins.....lb. 6.50 - 6.75
whole, tins.....lb. 7.25 Nom.
Tahiti, cs.....lb. 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs..lb 4.00 - —
smaller lots.....lb 4.05 - —
ex guaicol, tins, 25 lbs.....lb 3.00 - —
smaller lots.....lb 3.05 - 3.15
ex lignin, tins, 25-lb. lots.....lb 3.00 - —
smaller lots, tins.....lb 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works.lb. .16 - .16½
5-gal. cns., works.....lb. .30 - —
tanks, works.....lb. .15 - —
Butylether, normal, tech., dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .27 - —
Isobutylether, tech., dms., c.l., works..lb. .28 - —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .27 - —
Methylether, cyls., works.....lb. .30 - —
tanks, works.....lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works..lb. 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units..1,000,000 units. .025 - —
lots of 1 billion USP units. 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units.....1,000,000 units. .02 - —
lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units.1,000,000 units. .03 - —
Vitamin A, natural, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .15 - —
lots of less than 500 million units.....1,000,000 units. .19 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more.....1,000,000 units. .17 - —
lots of less than 500 million units.....1,000,000 units. .21 - —

Prices above are based on the USP XIII method of conversion, E x 1894.

Vitamin A, natural, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .16 - —
lots of less than 500 million units 1,000,000 units. .20 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
less than 500 million units. 1,000,000 units. .22 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm....1,000,000 units. .18 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .18 - —
B (see Thiamine hydrochloride).
B_7 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12} vials, 25 100 and 500 milligram lots, milligram. .98½- —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls.....lb. 1.50 - 1.75
Tree bark, bls.....lb. .55 - .75
Warfarin, dms., 50 lbs., f.o.b. N. Y. or Chicago..lb. 1.95 - —
25-49 lbs., same basis....lb. 2.05 - —
5-24 lbs., cns., same basis..lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock..ton.67.50 - —
merchantable, bgs., ex dock.ton.65.00 - —
extract, liquid, 35% tannin, bbls., works..lb. .07½- .08
solid, E. Afr., 61% tannin, ex dock, duty extra..lb. .07½- —
S. Afr., 62% tannin, ex dock, duty extra..lb. .07½- —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot.....lb. .44 - .45
Bees, bleached, USP, bricks, cs. lb. .62 - .63
slabs, bgs.....lb. .61 - .62
crude, African, bgs.....lb. .46 - .47
Brazilian, bgs.....lb. .49 - .50
Cent. American, bgs.....lb. .47 - .48
refined, yellow, bricks, cs....lb. .52 - .53
slabs, bgs.....lb. .51 - .52
Candelilla, crude, bgs.....lb. .45 - .47
refined, bgs.....lb. .49 - .51

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots lb. No stocks.
North Country, No. 2, ton lots. lb. .80 Nom.
No. 3, crude, bgs., ton lots. lb. .76 - .78
refined, bgs., ton lots..lb. .80 - .82
yellow, No. 1, bgs., ton lots..lb. .98 - 1.00
No. 2.....lb. .96 - .98

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs.....lb. .62 - .67
Wax microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis..lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis..lb. .25 - —
Less than 20,000 lbs., same basis. lb. .26 - —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis..lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
amber, ctns., 20,000 lbs., same basis..lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis. lb. .34½- —
Montan, dom., black, raw.....lb. .25 - .25½
refined.....lb. .31 - .32
imported Bohemian, bgs....lb. .14 - .16
German, bgs.....lb. .15 - .17
Ouricury, refined, bgs., ton lots. lb. .75 - .77
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .24 - .27
cakes, cs.....lb. .25 - .28
Sugar cane, crude, imp., bgs....lb. .35 - .37
refined, dom., slabs., works.lb. .60 - .65
imp., bags, N. Y.....lb. .40 - .42
White lead (see Lead, white).
White pine bark, rossed, bls.....lb. .16 - .19
White precipitate, USP, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works..ton.16.00 -30.00
smaller lots, works.....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l.....whse. ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l.....ton.25.00 -35.00
Wild cherry bark, thick, natural, bls. lb. .06 - .07
rossed, bls.....lb. No prices.
thin, natural, bls.....lb. .13 - .16
rossed, bls.....lb. .16 - .17
Wild indigo root, bls.....lb. .30 - .31
Wild yam root, bls.....lb. .16 - .17
Witch hazel leaves, bls.....lb. .23 - .25
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis....ton.40.00 - —
60 mesh, bulk, c.l., same basis ton.37.00 - —
basis ton.37.00 - —
l.c.l., same basis.....ton.45.00 - —
80-100 mesh, bulk, c.l., same basis ton.40.00 -45.00
l.c.l., same basis.....ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs.....lb. .13 - .14
Levant, bgs.....lb. 4.50 - 5.00
Wormwood leaves, bls.....lb .35 - .45

X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald. lb. .193 - —
l.c.l., same basis.....lb. .196 - —
tanks, same basis.....lb. .18 - —
45°-47°C. dms., c.l., frt. equald. lb. .153 - —
l.c.l., same basis.....lb. .156 - —
tanks, same basis.....lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis..gal. .91 - —
l.c.l., same basis.....gal. .94 - —
tanks, same basis.....gal. .80 - —
Meta fraction, over 7°C., dms., c.l., same basis..gal. 1.01 - —
l.c.l., same basis.....gal. 1.04 - —
tanks, same basis.....gal. .90 - —
Xylidins, mixed, dms.....lb. .45 - .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa.....gal. .27 - —
Birmingham district.....gal. .24¼- —
Chicago district.....gal. .27½- —
Cleveland district.....gal. .27 - —
Lone Star, Tex.....gal. .25 - —
Geneva, Utah.....gal. .19¾- —
Hamilton, Ohio.....gal. .26 - —
Johnstown, Pa.....gal. .25 - —
Lackawanna, N. Y.....gal. .27 - —
Lorain, Ohio.....gal. .25¼- —
Minequa, Colo.....gal. .27 - —
Philadelphia, Pa.....gal. .27 - —
Pittsburgh district.....gal. .24 - —
Sparrows Point, Md.....gal. .27 - —
St. Louis, Mo.....gal. .28 - —
Syracuse, N. Y.....gal. .24½- —
Terre Haute, Ind.....gal. .27 - —
Wyandotte, Mich.....gal. .27 - —
Youngstown, Ohio.....gal. .24½- —
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y.....gal. .30 - —
Bayonne, N. J.....gal. .30 - —
Baytown, Tex.....gal. .28 - —
Chicago, Ill.....gal. .30 - —
Detroit, Mich.....gal. .30 - —
Philadelphia, Pa.....gal. .30 - —
Providence, R. I.....gal. .30 - —
Wood River, Ill.....gal. .30 - —

Y

Yara, yara, cns.....lb. 2.00 - 2.25
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb. dms lb. .44 - .46
80 B units per gram, 100 lb. dms lb. .49 - .51
200 B units per gram, 100 lb. dms lb. .53 - .55
300 B units per gram, 100 lb. dms lb. .57 - .59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. 2.80 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Yellow benzidin, bbls., dlvd....lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies..lb. 2.65 - 2.80
Lithopone, all shades, bbls., frt. alld. E. of Rockies....lb. 1.02 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock apolis, Rock Island .lb. .25 - —
Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome..lb. 1.60 - 1.70
Primrose, bbls., same basis ..lb. 1.90 2.10
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
t.c.l., works.....lb. .0166- .0275
French type, bgs., c.l....lb. .04½- —
l.c.l. .....lb. .04¾- —
Peruvian type bgs., c.l..lb. .0165- .0210
synth., bgs., c.l., works....lb. .09½- —
l.c.l., works.....lb. .09¾- —
Mercury oxide, bbls., 1,000 lbs..lb. 1.93 - —
smaller lots .....lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼ .02¾
Zinc, bbls. same basis as chrome lb. .21 - —
Yellow dock root, bls.....lb. .16 - .25
Yellow xanthorrniza (see Xanthorrhiza)
Yerba santa leaves, bls.....lb. .28 - .30
Yohimbine hydrochloride vls.....oz. 3.25 - 4.00

Z

Zein, bgs., 36,000 lbs., works....lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works.....lb. .35 - —
Zinc acetate, tech., bbls., dms....lb. .26¼- —
NF, dms. .....lb. .41 - —
Borate, bgs., c.l., dlvd. E.....lb. .17½- —
l.c.l., dlvd. E.....lb. .18½- —
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubber makers', bgs., works lb. .10¾- .11¼
precipitated, powd., dms.lb. .26 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 7.70 - —
l.c.l., works.....100 lbs. 8.10 - —
gran., bbls., c.l., works.100 lbs. 8.45 - —
l.c.l., works .....100 lbs. 8.85 - —
solution, 50%, dms., c.l., works. 100 lbs. 4.25 - —
l.c.l., works .....100 lbs. 4.05 - —
tanks, works.....100 lbs. 3.60 - —
NF, gran., dms.....lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .422 - .442
Dust, bbls., c.l., works.....lb. .1225- —
dlvd. .....lb. .1250- —
l.c.l., works.....lb. .1260- .1325
Fluoride, bbls., works.....lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .17¼- —
l.c.l. .....lb. .17¾- .19¾
Iodide, NF, jars.....lb. 4.85 - —
Laurate, bbls.....lb. .45 - .46
Linoleate, solid, 9½%, bbls.....lb. .42½- —
Metal, slabs, E. St. Louis.....lb. .15 - —
Naphthenate, liquid, 8% Zn., frt. allwd..lb. .20¼- —
10% Zn, dms., frt. alld.....lb. .26 - —
Oleate, fused, bbls.....lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd..lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
American process, com'l, lead-free, bgs., c.l., dlvd..lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
leaded, 5%, bgs., c.l., dlvd..lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
35%, bgs., c.l., dlvd. lb. .14¼- —
l.c.l., dlvd.....lb. .15¼- —
50%, bgs., c.l., dlvd. lb. .14 - —
l.c.l., dlvd.....lb. .15 - —
French process, com'l, lead-free, bgs., c.l., dlvd. ..... lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
green seal, bgs., c.l., dlvd..lb. .16½- —
l.c.l., dlvd.....lb. .17½- —
red seal, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd.....lb. .17 - —
white seal, bgs., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
USP, ctns., c.l., dlvd.....lb. .17¼- —
l.c.l., dlvd.....lb. .18¼- —
Zinc oxide Pac. coast prices 1c. higher; bbl prices ¼c. higher than bgs.
Phenolsulphate, dms. .....lb. .36 - —
Resinate, fused, 1% Zn, dms., frt. alld. lb. .20 - —
precip., dms., frt. alld.....lb. .22½- —
Silicofluoride, bbls., works.....lb. .10 - .10½
Stearate, tech., USP, ctns., c.l..lb. .34 - —
ton lots .....lb. .35 - —
less ton lots.....lb. .36 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld ..... 100 lbs. 6.15 - —
l.c.l., same basis..100 lbs. 6.55 - —
flake, 25½% Zn, bgs., c.l., works, dlvd..100 lbs. 4.80 - 5.35
l.c.l., works .....100 lbs. 5.75 - 8.25
powdered, 36% Zn., bgs., c.l., dlvd., same basis..100 lbs. 8.25 - —
l.c.l., same basis....100 lbs. 9.00 - —
Zinc sulphate in bbls. 40c. higher
USP, gran., dms.....lb. .23 - .23¼
Sulphide, pure, bgs., c.l., dlvd. lb. .20 - —
l.c.l., dlvd.....lb. .21 - —
Barium pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd .....lb. No prices.
Calcium, pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd .....lb. No prices.
Luminescent pigment, dlvd lb. No prices.
Magnesium pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd .....lb. No prices.
Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Thionosulphonate, NF, gran., bbls., dms lb. .33 - 34
powd., bbls .....lb. .36 - .37
Undecylenate, dms.....lb. 1.90 - 2.00
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works..100 lbs. 7.35 - —
l.c.l., works .....100 lbs. 7.75 -10.25
Zinc-cadmium sulphide, fluorescent, ons., frt. alld..lb. 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works..lb. .1180- .1360
l.c.l., same basis.....lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works. lb. .21½- —
normal, dms., works.....lb. .43 - —
Zircon (see Zirconium silicate).
Zirconium acetate, 13% sol. ZrO_2, bbls., works..lb. .21¼- —
Carbonate, basic, cake, bbls., works lb. .30½- —
Hydride, ons., works.....lb. 7.00 - 8.00
Nitrate, dms., works.....lb. 1.75 - —
Oxide, 98½-99% white, grd., bbls. or bags, works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works.....lb. .44½- —
1 ton or less, works...lb. .45 - .46
milled, electric-fused, bgs., c.l., works..lb. .59 - —
5 tons, works .....lb. .59½- —
1 ton or less, works.....lb. .60 - .63
Oxychloride, cryst., ctns., 5 tons, works lb. .29½- —
Silicate, granular, bgs., c.l., works. lb. .03¼- .03¾
10 tons, works .....lb. .03½- .04
5 tons, works.....lb. .04 - —
1 ton or less, works.....bl. .04¼- .04¾
milled, bgs., c.l., works.....lb. .04¾- —
5 tons, works .....lb. .05¼- —
1 ton or less works.....lb. .05¾- .06¾
refined, bgs., c.l., works.....lb. .11 — works..lb. .11 - —
5 tons, works.....lb. .11½- —
1 ton or less, works.....lb. .12 - .16
Sulphate, cryst., ctns., c.l., works. lb. .37½- —
5 tons, works.....lb. .38 - —
1 ton or less, works ..lb. .38½- .39

Bemis Bro. Bag Installs Climate-Control Chamber

Bemis Bro. Bag Company, St. Louis, Mo., has put into operation a new controlled-climate testing chamber for studying and experimenting with bags and bag-making materials under a wide range of atmospheric conditions. Used principally to determine protective qualities of all types of bags under various climatic conditions and to test the effectiveness of fungus- and mildew-proofing treatments, the new equipment is said to control humidity within close tolerances and to keep the temperature constant with a variation of no more than one-quarter of one degree Fahrenheit.

Ethyl Advances Littlefield

Meredith Littlefield, sales coordinator in charge of the San Francisco Office, has been appointed manager of the western sales region of Ethyl Corporation. He succeeds Sanford M. Wagner, who earlier in the year was elected vice-president in charge of sales. The western region, one of four in Ethyl's sales organization, has its headquarters in Los Angeles. Mr. Littlefield has been with Ethyl twenty-one years on sales assignments in New York, Mexico and South America before being transferred to the San Francisco office in 1940.

Meyer Leaves Standard-Vacuum

C. E. Meyer, a vice-president and director of Standard-Vacuum Oil Company, New York, has announced his retirement after thirty-seven years of service in the international oil industry.

Trade Briefs

Calvert Drug Company, Baltimore, has broken ground for a new, one-story warehouse of approximately 40,000 square feet.

Dr. E. P. Luongo, medical director of the General Petroleum Corporation, Los Angeles, has been elected president of the Western Association of Industrial Physicians and Surgeons.

Union Oil Company will build a $1,000,000 asphalt refinery at Edmons, Wash. The refinery, which will have an annual capacity of 65,000 tons of paving asphalts, road oils and cutbacks, will be completed by June, 1951.

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It will pay you to investigate . . .

CONCORD #159 WAX

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Melting Point same as Carnauba; higher than Candelilla

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Knowing the Neighbors

"Census of the Americas becomes a reality—traders will benefit"—so says the United States Department of Commerce in Foreign Commerce Weekly in telling about the progress of the compilation of statistical data on the Western Hemisphere. The second statement in that comment leaves much to be doubted.

Nineteen of the twenty-two American nations have got under way with their participation in the carrying out of an idea which has been talked over for forty years. The program on which they are working was not launched, however, until four years ago. Final refinement was completed in January, this year. It is expected that the nineteen nations now at work in the project will complete their surveys this year. It is not expected, however, that the census will be completed before sometime in 1953, when Cuba will do its counting. Uruguay is considering legislative authorization of a census in 1951 or 1952. Argentina had a census in 1947, which will be counted in with the current program.

Primarily, the census of the Americas is concerned with data on population. Most of the nations also will survey agriculture and housing. The data are to be comparably compiled and collated. Although the comment of the Department of Commerce refers to the work as "taking inventory of our human and economic resources," it does not suggest that data are to be got on Latin American mineral deposits or manufacturing, except in Brazil and Mexico. Nor is it clear that the census of population will go into anything like the details of the recent census in this country and thus furnish data on what is very important to traders, the financial resources, or buying power, of a market.

It is true, to an extent, that any compilation of statistical data relative to the peoples of the American nations will have a business value. There can be no denying, however, that the only data which would assist American business to do a bigger job in the markets of its hemispherical neighbors would be those of a psychological nature from which it would be possible to learn how to do a better job. The need for a better understanding of the peoples and a better regard for them from a number of angles runs from Grant Land to Cape Horn. It is more imperative with respect of the Latin nations than it is with respect of Canada. But, that nation of really friendly people is getting irritated because of ill-advised national relations and individual attitudes —and some individual malpractices—plus a large measure of unconceivable misinformation and misunderstanding.

The same things run against the maintenance and improvement of trade relations with the Latin nations, and the greater differences of philosophies and cultures in those areas aggravate conditions which are bad enough in relation to the more closely allied people of Canada.

If the census of the Americas is to benefit traders, it must include data on the attitudes of other American markets toward United States business and give the reasons for their existence. The Western Hemisphere needs the full measure of potential cooperation in an international sense. It does not need, and it should not be offered, any scheme of standardized political, commercial, or social economy. Its peoples should work together in all things; but, each in its own way as a part of a harmonious assembly—not as a "one-horn band." To achieve that harmony and reciprocally to apply it, they must know more about one another than how many are in each group; what each does on how much arable land; and in what sort of shelters how many of each live.

Slants at Mobilization

Politics is going to play a big part in the construction of the schemes of such industrial and commercial mobilization as may be applied to business in the United States by reason of the war in Korea. There is already a sharp division of political opinion over whether any such preparedness is necessary or when it will be. It is possible to see in that connection the thought that is being given to what might be the effect of whatever is done, or not done, upon the results of this year's autumnal election. There is some reason, therefore, to feel that commercial restrictions will be laid before any control of industrial operations is undertaken. That would mean that credits would be restricted: the American Bankers Association has advised its members to guard against loans which might stimulate an inflationary tendency or would finance speculative buying. Consumer quotas and price controls would precede the allocation of industrial materials and manpower.

Of course, nobody but a professional guesser would attempt to foretell what circumstances will require in the way of business regulation or mobilization. But, every thinking businessman should feel that business should do everything possible to counteract scare tendencies and to be ready for national service in whatever possible and practicable role. It is seriously to be desired and earnestly to be promoted that there be no sleeping at the switch. That could be worse than getting scared into an inflation. How much of the belittling of the situation by political heads is "sleeping" and how much is but external calmness assumed to avoid panicky connotations, nobody can definitely say. But, there should be no prevalence of procrastination in business—and no inflationary opportunism, either. The way to control scare buying is not to serve it.

There has been talk of an overall mobilization plan for business for several years. Conferences have been proposed by both government and business. There have been some meetings. Progress has been made toward a few fundamental agreements with the National Security Resources Board, and that agency has constructed a blueprint of, at least, a general scheme which has been presented to congress. That scheme should be studied by all business organizations and constructively criticized at the earliest possible time.

Labor, which has demanded full voice in the mobilization program, has taken cognizance of several items in the NSRB scheme. It is particularly opposed to the plan to allocate skilled workers to meet existing needs. That attitude is going to be labor's most obstructive contribution to any mobilization program: its leaders can be expected to stick to the rule that only a worker who has been officially confirmed in a given class will be allowed to do any job in the related category. A dispute of that nature prevented operation of the Voice of America early in this month until an entire antenna structure was lowered to the ground in order that a broken wire might be repaired. The electrical workers' union would not let a steeplejack do the repair job from a helicopter, and no member of the union would undertake the job in that manner. The national welfare may be something; but union jurisdiction comes first in the allegiance of labor dictators.

For the Bookshelf

PROCEEDINGS OF THE FIRST NATIONAL AIR POLLUTION SYMPOSIUM, sponsored by Stanford Research Institute in cooperation with California Institute of Technology, University of California, University of Southern California. Paper; 149 pages. Los Angeles: National Air Pollution Symposium. $2.50.

This is a must book for every thinking manager of an industrial plant and for those who set the policies under which he practices. The National Air Pollution Symposium, which was held in Pasadena two days in last November, had some roots in the big Los Angeles smog problem. But, it was organized with a broader purpose and its annual repetition is contemplated as a means of cutting down the expanse of what is yet to be known about the causes, the effects, and the remedying of air pollution.

The subject was approached scientifically and technically with the ultimate objective of a better understanding of the tolerable limits of air pollution from the point of view of community health. Its sessions were devoted to (1) technics of sampling and analysis; (2) sources and control of airborne matter; (3) meteorological influences and visibility; (4) biological effects of airborne matter; (5) national trends in air pollution; (6) the economics of air pollution. Twenty-two papers are included in the report of the proceedings. In today's big need that air pollution be properly recognized as a matter of responsibility and that private interests do not leave that matter to government, every one of those papers has a clear, high value.

The address of the National Air Pollution Symposium is 612 South Flower street, Los Angeles 14.

THE MERCK MANUAL of Diagnosis and Therapy: A source of ready reference for the physician. Eighth edition. Cloth; vi+ 1,592 pages. Rahway, N. J.: Merck & Co. $4.50; thumb-indexed, $5.

It is not only the physician who finds the Merck Manual a ready source of everyday useful knowledge. Everybody in the drug industry belongs in the category of its beneficiaries.

There are three parts in the book. The first covers the general field to which the manual has long been devoted—diagnosis and therapy. It contains 338 chapters, on all sorts of ailments, from allergy to venereal disease, and including current consideration of nutritional deficiencies, radiation reaction, antihistaminics, antibiotics, adrenocortics, and atom bomb injuries. Much that was learned in the medical experience of World War II is here presented, revision of the 1940 edition having been started in 1946.

Part II covers the procedures of medical practice, clinical, office, laboratory, and on the rounds. It also has advice on diets. There are six pages of dosage data on trade-named medicaments; five pages of mathematical guides; and an index of about 2,800 references.

Anybody who has any use for a treatise on any phase of pathological study or treatment will be helped by this manual.

Washington Talks It Over

—*Continued from page 5*

one that can be used for treating the soil through which the termites usually travel before making contact with wooden parts of houses, barns, or other buildings. Of all these, DDT now seems to suit the purpose in a number of respects.

Sodium arsenate is also a very good preventive for termites, but, while it is fairly cheap and highly effective, it is also extremely poisonous. Research is still going on to determine which of the two chemicals is better for termite treatment, considering that the treatment will be conducted by inexperienced persons.

Economic Glittering

The midyear economic situation is looking very good to government economists. They are reporting that many of the measures important in gauging economic activity are setting new records this summer.

Industrial production, which almost reached its post-war high in May, probably equalled that mark in June. Spending for new construction last month was higher than ever before. We are now making about as much steel and have about as much new construction under way as our present resources will permit. The rate at which motor vehicles are being produced is breaking all records.

The number of people at work in May and June set new highs for each month. Unemployment is down to the lowest level since April, 1948. Consumers generally are spending the money in their pockets at a high rate—and many are going into debt faster than they are repaying old loans.

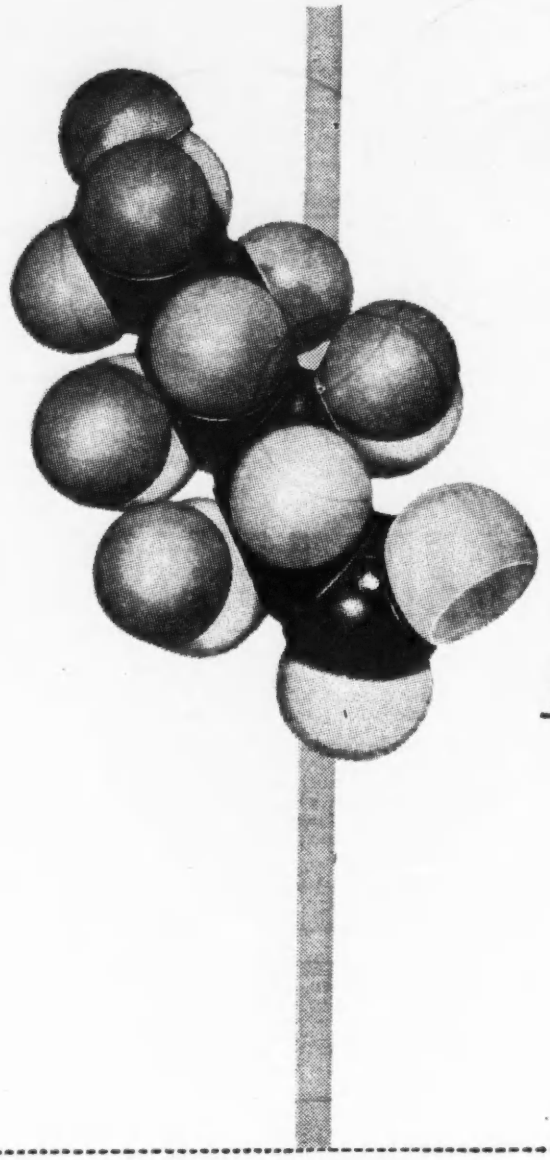
Generally brighter economic conditions have persuaded businessmen to spend more for plants and equipment than had been expected earlier. Total for 1950, however, is likely to fall below the $18,100,000,000 for 1949.

Radioactive Study of Oilwells

The Bureau of Mines has developed a program for more extensive use of radioactive isotopes in its petroleum research work, particularly in connection with research on secondary recovery. It is building a new radiochemical laboratory at Bartlesville, Okla., which is to be the center of its research work involving the use of isotopes.

Since radioactive isotopes were made available by the Atomic Energy Commission, they have been used as tracers in many fields of research. Although Mines scientists and technologists have recognized the desirability of applying isotope technics to the solution of petroleum problems, they have been unable to do so in the past because of the lack of laboratory space and radiation-detecting equipment.

The new laboratory, expected to be ready in September, is designed for the use of radioisotopes as tracers in various investigations in the secondary recovery of petroleum by water-flooding and the injection of gas and air. The first application will be in using tracers, both radioactive and stable, in waters used for subsurface injection water-flooding. With the availability of tracers that can be introduced at input wells and detected at producing wells, data which have been unobtainable in the past will be provided. The use of such tracers is expected to show accurately, for instance, the exact extent and rate of advance of the water.



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MAGNESIUM Gluconate	White, odorless, tasteless crystalline powder. Stable in air and over a wide pH range.	100 lb. drums 50 lb. drums 25 lb. drums 5 lb. drums 1 lb. bottle
POTASSIUM Gluconate	Fine, white, crystalline powder, odorless, mild slightly saline taste.	100 lb. drums 50 lb. drums 25 lb. drums
SODIUM Gluconate	White, stable, odorless crystalline powder with mild saline taste.	50 lb. drums 25 lb. drums 5 lb. drums
MANGANESE Gluconate	White, odorless crystalline salt with faint pink tint and a slight astringent taste.	50 lb. drums 5 lb. drums 1 lb. bottle
COPPER Gluconate	Light blue, odorless crystalline powder with typical metallic taste.	25 lb. drums 5 lb. drums 1 lb. bottle
AMMONIUM Gluconate	Fine, white crystalline powder, odorless with a mild saline taste.	250 lb. bbl. 100 lb. drums 50 lb. drums

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Heavy Chemicals

Magnesium chloride has been advanced in price and advances in other magnesium salts are expected to follow higher prices now named for the metal. Violent advances in tin metal early in the week were dissipated later on improved developments in Korea. The average price of tin was higher, however and advances were recorded in tin chloride, crystals, oxide, sulphate and tetrachloride. Producers of tin salts are temporarily sold out. A substantial pickup in the demand for quicksilver resulted in a sharp upward price movement and sales were the largest recorded in several months.

Continuance of the strike at one of the largest alkali plants has seriously disturbed supply conditions in caustic soda, soda ash, caustic potash, potassium carbonate, chlorine and a number of items affiliated with these chemicals. Producers described the chlorine situation as critical. Shipments of soda ash are confined to contract consumers and additional sales are not being considered at present. Caustic soda solid, flaked and powdered was in a similar condition but there was some liquid available. As ammonium bicarbonate is produced exclusively by the plants on strike, the supply has decreased to about the exhaustion point and some stocks are coming in from foreign supply sources. Importations of white granular sal ammoniac and potassium carbonate are also headed this way. No easement in the tight position of sulphuric acid could be noted here or in any section of the country. Nickel salts are still being allocated by producers and so is carbon tetrachloride, and copper metal.

Paper production based on a percentage of six-day capacity was 89.3 percent for the week ending July 15, according to the American Paper and Pulp Association. This compared with 56.0 in the preceding week and 76.0 for the corresponding week in 1949.

Aluminum Chloride—Supply position has shown a tendency to tighten with demand fully up to output and the current shortage of chlorine holding production down.

Ammoniac Sal—Demand from the dry-battery trade has increased for white granular and it was stated the battery demand is increasing for military use. With one of the two producing plants shut down for over six weeks, the supply situation is definitely tight. Some material has been purchased in Europe to help out contract consumers.

Ammonium Bicarbonate—With the only producing plant shut down since June 12, the supply situation has seriously tightened. Material is being brought here from abroad to partially ease contract requirements.

Arsenic—Importations of white arsenic in March totaled 2,070,000 pounds, the highest for any month during the first quarter, according to the Department of Commerce. For three months ending March 31, importations amounted to 4,671,000 pounds, an increase of 75 percent over the corresponding period in 1949. In the 1950 period 3,288,000 pounds came from Mexico and 1,118,000 from Belgium while in January-March 1949, Mexico was practically the only supplier.

Chlorine—Supply conditions have not improved during the past week and available stocks are getting shorter with the scarcity becoming more critical among manufacturers of chemicals processed with chlorine. Every effort is being made to supply contract consumers but with production cutback, it is becoming more difficult to maintain schedules. New business is temporarily out so far as immediate or prompt shipments are concerned.

Copper Sulphate—This market has felt the impact of what is considered the heaviest consuming demand on record. Although production of the largest eastern plant has been doubled since March, the supply is not sufficient to level off requirements, and shipments in most instances are running six weeks behind schedule. It is stated that output is booked solidly to October and October books have not been opened but probably will be some time in August. According to trade reports, there is not a producer that can consider additional business for prompt shipment regardless that every plant is running at capacity seven days a week. The export movement in March amounted to 3,524,000 pounds bringing the total for the first quarter to 11,329,000 pounds a decrease of 34 percent from the corresponding period in 1949.

Magnesium Chloride—Flaked has been advanced $5 per ton to cover increased producing costs. The carlot price is $45 per ton with smaller quantities ranging from $49 to $51, according to size f.o.b. the works.

Nickel Sulphate—Producers have continued to allocate this chemical as well as other nickel salts to consumers. This policy has not pleased the consuming industries who have constantly called for increased shipments. The prospects for easement in the supply situation for the nearby future do not appear very promising at the present time.

Potash, Caustic—Supply situation remained tight with pressure for shipments steadily increasing. One important plant remained shut down by labor difficulties and this is seriously affecting supply conditions at the present time.

Potassium Carbonate—Market supply position tighter than in caustic potash with demand from glass plants active and production cutback. No easement is expected until the strike at a large producing plant is settled.

Soda Ash—Supply position exceedingly tight with producers attempting to take care of contract consumers but not in a position to consider new business for nearby shipment. This condition is primarily the result of a prolonged strike at the plants of a large producer.

Soda, Caustic—Not quite as tight as soda ash as some liquid was still available but flaked and solid were reported in definitely short supply.

Sodium Silicate—Industrial demand steady with production well geared to meet consuming requirements. Prices firm for all grades. The selling schedule now effective shows liquid 40 degrees turbid in drums carlots $1.10 per 100 pounds, l.c.l. $1.45 to $1.85 and tanks $17 per ton. For 42 degrees turbid in drums, carlots $1.90 per 100 pounds, l.c.l. $2.25 to $2.65 and tanks $33 to per ton. Solid in bags is priced on the basis of $50 per ton. All prices are f.o.b. the works.

Tin Salts—Violent fluctuations in the metal have unsettled prices of tin salts during the week. The up and down movement of the metal market showed a higher average, however, and tin salts closed with advances and producers temporarily sold out. The breakdown showed tin chloride stannous anhydrous at 79.3c. to 80.3c. per pound, hydrous crystals 65c., oxide 94c. to 95c., sulphate stannous 90.6c. to 92.6c. and tetrachloride anhydrous at 54c. to 55c. per pound, all prices f.o.b. the works.

Acids

Acetic—Increased demand for glacial, particularly from rayon mills, has created a steadier market position. Stocks have continued to meet requirements promptly although the supply situation is tighter than a month ago.

Chromic—Plating demand described as steady and leaning toward expansion. No shortage of stocks reported to date and no price changes announced.

Formic—Market steady but not unusually active. Textile mills have continued to take on stocks mostly for current wants. Production is normal and is expected to remain so as long as caustic soda is available.

Oxalic—Continued readily available in carlots or smaller quantities for immediate shipment. Buying interest remained

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Magnesium chloride, $5 per ton.
metal ingots, 1c. per lb.
sticks, 1½c. per lb.
Quicksilver, $5 per flask.
Tin chloride, .056c. per lb.
crystals, ½c. per lb.
metal, ¾c. per lb.
oxide, 3c. per lb.
sulphate, .011c. per lb.
tetrachloride, .015c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
223.4	223.4	219.0	216.4	222.4

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
121.9	121.9	121.9	121.8	122.0

(*For Current Prices see Page 9*)

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Sulphuric—Supply situation continued tight here and all over the country. Buying interest which started to increase back in March has shown steady expansion and is now topping production. Prices are unchanged with the tone of the market strong.

Nonferrous Metals

Aluminum—Primary aluminum production in May was the highest for any one month since the war's end, the Aluminum Association reports. May production of 123,858,511 pounds was well above the previous peak month, March, 1950, with 117,493,525 pounds. Production in April, a shorter month, was 116,048,542 pounds. Shipments of aluminum sheet, plate and strip in May were reported at 87,339,640 pounds as compared to 90,816,431 pounds in April. One of the leading producers has adopted an allocating policy to its contract customers on the basis of previous use and is not considering new orders. In another producing quarter pigs and ingots were advanced 1c. per pound.

Copper—Producers and custom smelters allocated available stocks among regular customers. Demand was steady with the price unchanged at 22½c. for electrolytic delivered Valley or Middle-west basis.

Refined copper production, at a high for many months, totaled 113,961 tons in June, compared with 112,388 the month before. For the half year refined output was 632,347, against 1,056,463 for all of 1949. Stocks of refined copper in the hands of producers and refiners declined 693 tons in June to a total of 50,327 tons at the month end, a low since records are available in the '30s.

Lead—Buying interest moderate during most of the week with the price holding at 12c. per pound New York and 11.80c. St. Louis basis.

Magnesium—Priced higher at 22½c. per pound for ingots at the works and at 39c. per pound for sticks in cases, works, freight allowed on the carlot basis.

Quicksilver—Prices advanced sharply under increased buying. It was stated that many consumers who had been operating for current wants have decided to build up inventories. Round lot sales, 100 flasks, were reported at $75 per flask, and smaller quantities at $80, spot basis.

Silver — Market position remained steady with supply and demand apparently in balance. At New York 72¾c. per ounce was named at the close of the week.

Total output of recoverable silver at United States mines in May was virtually unchanged from April, but on a daily average basis was 3 percent less than in that month, according to the Bureau of Mines. In arriving at a virtually unchanged total for the United States, important silver-producing states had movements ranging from an increase of 17 percent in Colorado to a decrease of 13 percent in Montana. Elsewhere, output in Utah rose 6 percent and in Arizona 3, whereas that in Idaho, by far the leading source, was virtually unchanged or slightly lower on a daily average basis, and in Nevada declined 5 per cent. Total production in May was 3,573,256 ounces, compared with 3,554,456 in April.

Tin—Market sensitive with price fluctuations wide and following the variations in London and Singapore. While the domestic market for the week was unsettled, the daily average price was higher. It was stated that most spot sales for grade A were made at 90c. to 91¾c. per pound.

Zinc—Prime western unchanged at 15c. per pound, East St. Louis basis. Market

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Average daily rate of zinc production from domestic mines in May advanced to the highest level since July, 1949, according to the Bureau of Mines. May output, in terms of recoverable metal, was 51,576 short tons, an average of 1,664 tons per day, compared with 49,113 tons in April produced at an average rate of 1,637 tons per day. May output in states East of the Mississippi River increased 4 percent over April production owing to the longer working period. Output in the combined western states in May rose 3 percent over the April figure and was virtually equal to the monthly average production in 1949.

Trade Briefs

Gottesman & Co., chemical merchants, has leased a floor at 100 Park avenue, New York.

William C. Wildman, recently engaged in antimalarial research at De Pauw University, has been added to the faculty of Princeton University as an assistant professor in chemistry.

F. J. Stokes Machine Company, Philadelphia, announces a new sixteen-page catalog on "Stokes Automatic Water Stills." The catalog describes Stokes water stills for laboratory and industrial use from one-half to 100 gallons per hour capacity. It will be sent on request by writing to the company, 5900 Tabor road, Philadelphia, Pa.

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Obituaries

Bruce W. Crane, sales engineer for Wallace & Tiernan Company, Belleville, N. J., died in Montclair, N. J., July 17 as a result of injuries received in an automobile accident. Mr. Crane was twenty-seven years old.

James L. Foster, Ontario and Quebec representative for the Rexall Drug Company, died in Toronto, Ont., July 13.

Brayton Eddy, curator of reptiles and insects for the New York Zoological Society for the past five years, died in New York, July 17. He was fifty-one years old.

Jacob Schandler, partner in Schandler Bros., wholesale paint distributors, Irvington, N. J., died in that place July 18. He was sixty-eight years old.

Wilmer S. Sharpe, superintendent of the Corning, N. Y., plant of Air Reduction Sales Company, died in Corning, July 14. He was fifty-two years old.

Warren D. Smith, head of the University of Oregon geology department from 1914 until 1947, died at his home in Eugene, Ore., July 17. He was seventy years old.

Charles W. Walker, retired chemist for the American Steel & Wire Company, died at his home in Worcester, Mass., July 19. He was sixty-six years old.

Universal Offers New Catalog

All types of industrial metal hose, tubing and fittings for conveying solids, fluids or gases at elevated pressures and temperatures are described and illustrated in a new twelve-page "No. U-101 Catalog" recently issued by Universal Metal Hose Company, Chicago. Copies may be obtained by writing Universal Metal Hose Company, 2133 South Kedzie avenue, Chicago 23, Ill.

Zinc Acetate Data Offered

A new bulletin on Niacet zinc acetate presents in detail the physical and chemical properties, latest specifications, and shipping and handling information on this chemical. Copies of "Niacet bulletin 5" can be obtained from Niacet Chemicals Division, United States Vanadium Corporation, 966 Niagara building, Niagara Falls, N. Y.

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Mineral Deposit Reports Issued by Mines Bureau

New publications of the Bureau of Mines include the following reports of investigations of mineral deposits, the parenthetical figures being the identification numbers:—

Copper, Hancock county, Maine (4691); Humboldt county, Nevada (4694).

Copper-gold, Granite county, Montana (4689).

Lead, Bucks county, Pennsylvania (4703).

Lead-zinc, Pitkin county, Colorado (4696).

Mercury, Santa Clara county, California (4697).

Mica, Custer county, South Dakota (4693).

Copies of these reports are available without charge from the Publications Distribution Section, United States Bureau of Mines, 4800 Forbes street, Pittsburgh 13.

Houghton Labs Issues Data

"Hysol 6000," a new thermosetting plastic material used for handling corrosive chemicals and for electrical insulation, is described in a new technical bulletin published by Houghton Laboratories, Inc., Olean, N. Y. Included in the bulletin are specifications on its chemical resistance and electrical properties, suggestions on how this material may be used and details on its machining characteristics. For a copy of Bulletin 601, write direct to Houghton Laboratories.

Plasticizers Storage Data Available from Monsanto

A typical system for the bulk tank storage of plasticizers is described in a bulletin available from Monsanto Chemical Company, St. Louis. Drawings of equipment types and arrangements, plus data on pertinent properties of various Monsanto plasticizers, are included in the twelve-page bulletin. Further detailed information may be obtained from the company's technical staff.

Bolton Joins Deep Rock

H. Ross Bolton, formerly petroleum engineer for Ohio Oil Company's Terre Haute division, has been named chief engineer in Deep Rock Oil Corporation's production division, Tulsa. He succeeds K. W. Haley, who resigned recently.

Blaw-Knox to Construct Mathieson Hydrocarbon Plant

The chemical plants division of Blaw-Knox Company has been awarded a contract by Mathieson Hydrocarbon Chemical Corporation, Baltimore, Md., for the engineering and procurement of a large new chlorine and caustic soda plant to be located at Saltville, Va.

Expected to go into operation in 1951, this new chlorine production unit will be one of the most modern in the United States. The design will be based on the Mathieson mercury cell process, which produces chlorine and rayon grade caustic soda of 50 percent concentration directly from the cells.

Goodrich Chemicals Has Booklet on 'Geon' Latices

A new bulletin containing technical data on all its "Geon" latices, water dispersions of polyvinyl chloride base resins, has been published by B. F. Goodrich Chemical Company, Rose building, Cleveland, Ohio. Copies are available upon request to the company. The bulletin lists the individual properties of the six latices now being marketed, those of four mil cast film and one mil latex coated paper made with them, discusses methods used by formulators and cites fields of application for the materials.

Canco Names Comptroller

The election of George J. Madge as comptroller of the American Can Company was announced last week. Mr. Madge, who first started with the container manufacturing company in 1912 as a messenger boy, had served as assistant comptroller since 1940.

Following his first job as messenger, he became a clerk in the auditing department and later rose successively to a number of posts in that department, being named assistant auditor in 1938.

Ferro Names Nispel Agent

Ferro Chemical Corporation, Bedford, Ohio, has appointed A. C. Nispel, Inc., as sales agent for the states of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut, east of the Connecticut river. Nispel is located at 131 Beverly street, Boston 14, Mass. Telephone number is Capitol 7-8062.

Petroleum Derivatives

Additional gasoline companies during the past week followed the lead taken by others during the previous period in raising their price listings. The latest came from two firms which announced 4/10c. per gallon increases. Pennsylvania crude oil, both upper and lower field, was advanced 14c. a barrel during the period. Increases were also noted in the aliphatics on the East and Gulf coasts. These went up ½c. with the exception of mineral spirits in Philadelphia, which went up a full cent at that point. On the West Coast one supplier of heavy fuel oil boosted the price by 20c. per barrel.

A good demand for most materials characterized this market during the week. Supply of most items was in good shape although there were some that were still tight. Toluol and xylol were among them. Toluol was somewhat easier but neither was precisely free. Higher boilers were also on the tight side.

There was no particular change noted in the lighter fractions. Supplies were sufficiently high to take care of the market's needs. Demand for microcrystalline wax was good, but supply was still somewhat tight. The supply of paraffin was reported to be tightening up somewhat, although there were no changes in price.

Announcement was made during the week that Texas oil allowables would be boosted 107,523 barrels per day for August. Demand for both petrolatum and white mineral oils was good. Supply was sufficient for the needs of the market.

Solvents and Diluents

Aromatic Solvents—The demand for both toluol and xylol continued to hold at good levels during the past week and there were indications that the call would go on that way. Neither was in a free supply position, although toluol was somewhat easier than xylol. There was still a tightness noted in the supply of higher boilers. Demand remained good and the indications were that it would continue that way. The price range was holding at its previously established levels. There were no changes in price announced for the intermediate aromatic solvents. Both the supply and demand were without material change during the week.

Cleaners' Naphtha—Prices were up ½c. on the East and Gulf coasts last week. Demand continued at reasonably good levels, with the signs indicating that it would go on that way for the foreseeable future, at least. Supply was at sufficiently high levels to accommodate the needs of the market without any particular difficulty.

Lacquer Diluent—Supply was high enough at present to fulfill the needs of the market without trouble. The demand was at good levels, and with the paint trade in its busy time of the year, the call was expected to continue at good levels for the immediate future at least. On the East and Gulf coasts prices went up ½c.

Mineral Spirits—East and Gulf coast prices were ½c. higher. Listings in Philadelphia were up 1c. Demand, now that the paint trade was in its busy season, was at good levels and was expected to continue that way. Supply was at levels that precluded any real difficulty in accommodating the market.

Rubber Solvent—With the tire industry still taking good amounts of this item, the demand was holding at good levels and was expected to continue that way for at least the foreseeable future. The supply was at levels high enough to satisfy the market without any real difficulty. East and Gulf coast prices were up ½c.

Stoddard Solvent—Demand was at good levels last week and was expected to continue that way, now that the paint trade was in its busy season. The supply position was good and the market's needs could be satisfied without any particular difficulty. The price went up ½c. on the East and Gulf coasts.

V. M. & P. Naphtha—Supply was in good shape and the needs of the market could be filled without difficutly. Demand, however, was running to good levels now that the paint trade was in its busy season. Prices on the East and Gulf coasts were ½c. higher.

Market Trends

Prices Advanced

Cleaners' naphtha, East and Gulf coasts, ½c. per gal.
Crude oil, Pennsylvania, upper and lower fields, 14c. per bbl.
Fuel oil, heavy, West Coast, 20c. per bbl.
Lacquer diluent, East and Gulf coasts, ½c. per gal.
Mineral spirits, East and Gulf coasts, ½c. per gal.
Philadelphia, 1c. per gal.
Rubber solvent, East and Gulf coasts, ½c. per gal.
Stoddard solvent, East and Gulf coasts, ½c. per gal.
V. M. & P. naphtha, East and Gulf coasts, ½c. per gal.

Prices Reduced

None

Comparative Price Indexes

(*For Current Prices see Page 9*)

Lighter Fractions

Heptane—Demand was running along at reasonably good levels during the past week and supply was sufficient to meet it. The price structure was without feature.

LPG's—Demand was continuing at good levels during the past week. Now that the Summer homes in the country were open, the seasonal demand was on and this was expected to continue at least until Labor Day. Supply was at a level sufficiently high to accommodate the needs of the market without difficulty. There were no changes in the price picture and there were none anticipated for the immediate future.

Waxes

Microcrystalline—The price structure of this material was without change during the period under review and the indications were that the structure would hold for the third quarter. The demand was at good levels and was expected to continue that way for the immediate future, at least. Supply was still on the tight side.

Paraffin—During the past week it was reported that the supply was tightening up and in one quarter it was said it was not adequate to meet the demand. Prices, however, were still holding at previously established levels.

Miscellaneous

Crude Oil—Texas oil allowables will be boosted 107,523 barrels per day for August, and put back on former wartime allocation methods. The Railroad Commission recently voted to return to the maximum efficiency rate of allocating crude production used during the war and until last March. This method bases production of oil on a field's ability to produce and can be boosted readily to meet military requirements should the need arise. The present 2,472,000 barrels allowable could be upped about a million gallons daily if needed. Upper and lower field crude in Pennsylvania was up 14c. per barrel.

Fuel Oil—A boost of 20c. a barrel on heavy fuel oil was announced by one supplier on the West Coast during the past week.

Gasoline—Following last week's action in which some segments of the industry went up in price, announcement came from another producer last week that it was raising its price two-tenths to five-tenths cents per gallon.

Los Angeles Petroleum Market

Demand continues active for solvents although the supply position is tighter than in past weeks. Sales are reported good for diluents following the normal seasonal trend. Prices are unchanged with cleaning solvent quoted from 15½c. to 19½c. per gallon, tankwagon, ex-tar f.o.b. Los Angeles basin area. Lacquer diluent posted from 16½c. to 20½c. per gallon, same basis, and stoddard solvent quoted from 15.7c. to 19.5c. per gallon, same basis.

Demand is reported to be picking up somewhat for both propane and butane although overall the market can be considered on the quiet side Listings for both L.P.G.'s are unchanged at 5.3c. per gallon, tankcars, f.o.b. Los Angeles.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended July 8 totaled 237,271,000 barrels, according to data reported to the Bureau of Mines, United States Department of the Interior. Compared with the total of 240,943,000 barrels for the preceding week, this represents a decrease of 3,672,000 barrels, comprising a decrease of 3,863,000 barrels in stocks of domestic crude and an increase of 191,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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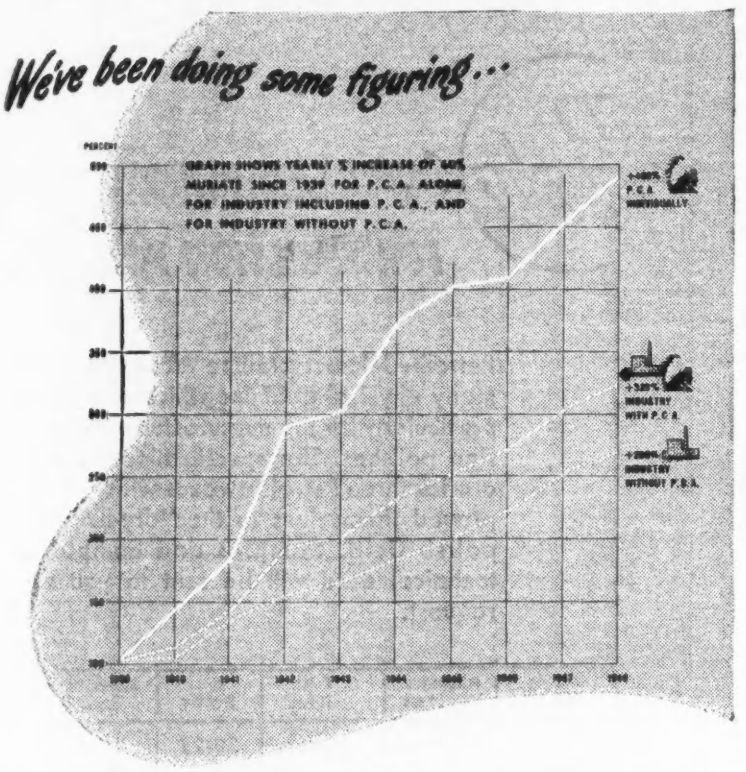
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Agricultural Chemicals

Increased purchasing for stock-feed use was the propelling power behind advances in dried blood and tankage. Limited offerings of hoof meal were taken at Chicago for fertilizer requirements. Fish meal continued to show a stronger tone but uncovered no new price changes. Bone meal was more active in the West with former prices firmly sustained. There was an absence of castor pomace offerings with reports that producers had withdrawn from the market temporarily.

Coke-oven ammonium sulphate remained tight for nearby shipment although there appeared to be no shortage in sight for future delivery. Converters' stocks looked a bit easier. Normal superphosphate was priced lower at Carteret, New Jersey. Baltimore unchanged. Potash production remained at capacity with contract shipments steady. About all the allocation of French potash has been sold.

The NFA, on the basis of reports from 13 states having either tax tag or fertilizer sales reporting programs, announces that 7,355,000 tons of fertilizer were represented by these figures during the first six months of 1950, exceeding the comparable 1949 total by fully 5 percent. During June, the latest month for which figures are available, the equivalent tonnage totaled 505,000 as compared with 375,000 in June, 1949, with gains in both the South and Midwest. Total tonnage for the fiscal year ended June 30, 1950, was 9,966,000 or 1½ percent less than that of the previous fiscal year. This drop reflected a decrease of about 2 percent in the South which was partially offset by a 1 percent increase in the Midwest.

Nitrogenates

Ammonium Sulphate — Coke-oven material tight for nearby but available for future shipment. Supply a shade easier in converters' sulphate. An inquiry is in the market for 11,000 tons of sulphate for shipment to South Africa. Total production of converters' last year was 1,692,389,000 pounds, compared with 528,951,000 in 1948, according to the Bureau of the Census.

Bone Meal—More inquiry from the feed trade and the tone of the market was steadier. Raw was priced at $62.50 per ton works and steamed $58 with imported for prompt shipment held at $56 per ton, c.i.f., New York.

Castor Pomace—Offerings were scarce last week and it was stated that producers were temporarily sold out. Last sales were made at $30.50 per ton in bags, carlots, works.

Dried Blood—Prices were higher in the local market and substantially higher at $8 per unit of ammonia in Chicago. Demand from the feed trade was on a broader scale in the midwest than in New York.

Hoof Meal—Priced higher at $6.50 per unit of ammonia with sales at that figure reported in Chicago.

Tankage—Sales to the feed trade reported at higher prices. New York named $7.50 per unit of ammonia and Chicago $8.

Phosphates

Phosphate Rock — Domestic shipments have slowed down to some extent owing to a seasonal closing of several acidulating plants for repairs. The movement is expected to improve next month. It was stated that demand for ground rock for direct application was not up to general expectations particularly in Illinois and the middlewest. Export inquiry continued relatively quiet with small shipments going forward to England, possibly to mix with North African rock. Bureau of Mines placed production of Florida land pebble at a new high of 6,815,989 long tons in 1949, against 6,539,258 in the previous year. Production of phosphate rock in the western states amounted to 826,474 long tons in 1949, compared with 822,004 in 1948.

Superphosphate—Price of normal was reduced to 70c. per unit of a-p-a at Carteret, N. J. Production totaled 816,688 short tons for normal, 63,815 tons for concentrated, and 2,108 tons for wet-base goods during May according to the Bureau of the Census. The figure for concentrated superphosphate is at an all-time high and exceeds the previous March 1950 record production of 61,267 by 4 percent. On the other hand, the quantity of wet-base goods produced in May is the lowest amount reported since June 1946, when 1,756 short tons were produced. Compared with the previous month's figures, May production of concentrated superphosphate rose 17 percent, while production of normal and wet-base goods declined 9 and 59 percent, respectively.

May shipments compared with those for the corresponding month of last year for concentrated superphosphate also showed an increase of 41 percent, while the totals for normal superphosphate and for wet-base goods were down 9 and 42 percent, respectively. During the month, stocks on hand increased 15 percent for normal to 733,390 tons, and 8 percent for concentrated to 57,702 tons, and declined 17 percent for wet-base goods to 6,181 tons.

Market Trends

Prices Advanced

Dried blood, 25c. per unit of ammonia. Hoof meal, 25c. per unit of ammonia. Tankage, 50c. per unit of ammonia.

Prices Reduced

Superphosphate, normal, 3c. per unit of a-p-a, Carteret, N. J.

Comparative Price Indexes

(100 = August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
82.2	82.2	82.2	81.6	81.6

(For Current Prices see Page 9)

Potashes

Regular contract shipments have continued to constitute the principal movement of potash. Plants are working at capacity and market conditions generally remained satisfactory. It was stated that the French allocation has practically been sold. Offerings of Russian potash seem to have disappeared.

Los Angeles Fertilizer Market

Los Angeles.—Organic material is reported in good supply with speculative buying interest active. Sales have been medium with price advancements noted for blood meal, fish meal and tankage. The market for inorganics has been active with no price changes reported.

Ruling prices quoted as follows:—Ammonia nitrate, $69.94 per ton, f.o.b. Los Angeles. Canadian material quoted same. Ammonia phosphate, $65.15 per ton for 16 20 grade, f.o.b. Los Angeles, 11 48 grade, f.o.b. Los Angeles quoted $89.65 per ton, Canadian material. Ammonia sulphate, $49 per ton bagged, f.o.b. Los Angeles. Canadian material same in bags, $2.50 less for bulk. Blood meal, $5.75 per unit of ammonia at source. Bone meal, $68-$70 per ton for imported, steamed, 1/30 meal, f.o.b. Los Angeles. Domestic material, same grade, $75 per ton, f.o.b. Los Angeles. Fish meal, $130-$136.50 per ton for 65 percent sardine, f.o.b. Los Angeles. $117-$123 per ton for 60 percent tuna, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton for bulk. Potash muriate, 48½c. per unit in bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 84c. per unit, f.o.b. Trona. Superphosphate, $21.20 per ton bulk, f.o.b. Los Angeles area. $2.50 additional for bags. Triple, $68.50 to $72 per ton for bulk, 47 percent a.p.a., f.o.b. Los Angeles. Tankage, wet rendered, fertilizer grade, $4.75-$5.75 per unit of ammonia at producing plant.

Pesticides

Difficulty in securing chlorine has kept production of BHC and DDT down while demand for both is active and the shortage is more pronounced with possibilities of becoming worse before better. Hope was expressed that the government would take a hand in settling the strike at a large chlorine plant which has been closed down since June 12. Aside from the heavy infestation of boll-weevil in the cotton South, reports from Ithaca, state that the Mexican bean beetle is threatening almost complete destruction of New York's $13,000,000 dried bean crop and New Brunswick reports that blight is again threatening New Jersey's tomato crop.

Calcium Arsenate—Production last year totaled 16,006,000 pounds, against 27,234,000 in 1948. Lead arsenate output last year was 16,866,000 pounds, compared with 24,630,000 in 1948, the Census Bureau states.

Sodium Arsenite—Producers' stocks of dry material are now exhausted and new production will not start until late Fall or early Winter. It is suggested that consumers use the liquid 40 percent solution. One gallon is equivalent to 5.33 pounds of dry material. The price to dealers is 60c a gallon for 50 gallons drums and $1 per gallon for 5 gallon drums, f.o.b. works, drums included and non-returnable.

Sulphur

No relaxation from the heavy demand, in fact the inquiry is leaning toward expansion and reflects the increased activity in sulphuric acid.

For Late Market Developments, See Page 4

Fertilizer Industry Surveyed In Pacific Northwest

The results of a short factual survey of the fertilizer industry in the Pacific Northwest have been published by Raw Materials Survey, 701 Woodlark building, Portland 5 Ore., as information circular N. 6. The report was prepared by G. O. Bartell, RMS managing engineer It covers Idaho, Oregon, and Washington.

Agricultural mineral resources are covered; so are production technics and operations and the marketing pattern. Consumption of fertilizers in the three states increased from 103,969 tons in 1943 to 251,942 tons in 1948. At the time the survey was made, there were eight producers of primary fertilizer chemicals in the region. Establishment of three more phosphate enterprises was under way.

The survey lists 28 fertilizer mixing plants in the three states. Distribution of their products is shown in several tables, along with those of four primary producers' agents. An interesting item has to do with the increasing use of low-flying airplanes for the application of fertilizer to grasslands.

Pennsalt Promotes Whinfrey

Charles G. Whinfrey, jr., has been promoted to technical sales representative of the agricultural chemicals department of Pennsylvania Salt Manufacturing Company, Philadelphia. Mr. Whinfrey has been assigned the northeastern territory, from which he will operate out of Philadelphia.

At the same time, Donald E. Hope has been appointed sales control assistant in the department's Philadelphia office to take over the duties relinquished by Mr. Whinfrey.

German Firm Plans Reopening Of Western Zone Potash Mine

Burback Kali Works has announced plans to reopen one of its mines in Western Germany near Gottingen. The project, said to be a long-term operation, is expected to eventually double the concern's potash output. According to the company, the initial steps have already been taken and workings are now nearly 1,000 feet closer to the potash deposits than at the beginning of the year.

Bemis Bag Buys Claremont Mill

Claremont Paper Mill, Claremont, N. H., has been acquired by the Bemis Bro. Bag Company, St. Louis, Mo. W. A. Kirn, sr., who has headed Claremont for some years, remains in charge as manager for Bemis. The mill, which is equipped to produce kraft paper specialties used by the printing ink and industrial trades, has a productive capacity of forty-five tons per day.

Trade Briefs

Rawleigh Warner, chairman of the board of Pure Oil Company, has been elected a member of the board of directors of the International Minerals & Chemical Corporation, Chicago, Ill.

Pierce & Stevens, Inc., lacquer manufacturer, has filed plans with the city to enlarge its plant at 710 Ohio street, Buffalo, N. Y., at a cost of $12,000.

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Coaltar Chemicals

A 2-cent per pound price advance effective immediately on spot and October 1 on contract was announced last week by a major producer of natural phenol, the advance applying to both the 90 percent and the 82 percent grades. A similar advance on synthetic phenol, as reported in the previous issue, by one producer was followed last week by another.

Phenol and cresylic materials were in a critically short supply, and this was made worse by the effects of a strike in the plant of a major tar distiller, the strike having been in effect since July 1, and at presstime there were no indications of a settlement. Also unsettled and causing a widespread and critical shortage of chlorine, was a strike in the plants of a large producer of chlorine and monochlorobenzene. This hampered production and caused scarcity in the supply of many important chlorinated chemical intermediates. Benzol continued tight, and the severe chlorine shortages in addition to the benzol scarcity made the various chlorinated benzol derivatives tight. Monochlorobenzene which in turn hampered production of such items as phenol and anilin, were among the hardest hit.

Steel production after the holiday drop in output climbed back close to 100 percent of theoretical capacity. Reports from companies having 94 percent of the steel capacity of the industry scheduled operating rates for the week ended July 22 at 99.4 percent of capacity. This was equivalent to 1,894,800 tons of ingots and castings, compared with 1,830,000 tons the previous week, and 1,443,500 tons one year ago, according to figures released by the American Iron and Steel Institute. For eleven weeks prior to the July 4 holiday the industry operated at or above 100 percent of theoretical capacity.

Basic Products

Benzol—This market was quite short of sufficient material to meet consuming needs. As a consequence a substantial part of the overall consumption of certain large volume users was being bought outside of the domestic coaltar producing market, at considerable extra cost. Procurement of small odd lots of domestic benzol at distant points involving high shipping charges, the purchase of large quantities of foreign benzol at price levels 50 to 75 percent higher than the domestic market, and the use of high cost petroleum synthetic benzol, were the main outside sources from which insufficient domestic supplies were being augmented. These factors added up to higher overall benzol cost as used in the manufacture of benzol derivatives such as phenol and styrene. The currently advancing price structure on phenol, for example, was hardly enough to offset the increased overall benzol costs. There was no relief from the present shortage perceptible in the immediate future, and indeed the situation might well get worse if the Korean war is prolonged sufficiently to cause heavy rubber reserve increases.

Creosote — This market maintained a steady position with supplies quite adequate to take care of the well sustained demand. Imported material moved in substantial quantities at price levels said to be competitive with the domestic production.

Cresol — There was no indication of any relief in the present scarcity which was made worse since July 1 by the strike in the plants of a major tar distiller. Prices held to the levels established at the end of the second quarter. Demand was characterized by heavy pressure and producers were operating under a backlog of orders.

Coke By-Products

Estimates of by-product cokeoven operations in the week ended July 8 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	975,410
Ammonia sulphate	lbs.	25,258,000
Benzol	gals.	3,182,918
Coaltar	gals.	11,807,602
Creosote oil	gals.	657,118
Naphthalene, crude	lbs.	1,560,656
Phenol	lbs.	184,814
Toluol	gals.	636,583
Xylol	gals.	143,744

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
107.5	107.5	107.8	110.1	110.4

(*For Current Prices see Page* 9)

Cresylic Acid — The market was reported as maintaining the strong position which has characterized it over recent months. Prices were firm at the higher levels established at the end of the second quarter. Meanwhile, costs continued to increase.

The shortage which has long been evident in the market with respect to coaltar source material was made still worse as the effects of a strike in the plant of a major distiller since July 1, began to pinch the overall market. As of presstime there was no indication of a settlement of the strike.

Petroleum cresylics moved steadily into consuming channels under a firm price structure. Imported cresylic was regarded as firm. There was no shortage of these types in comparison with the scarcity of the low boil coaltar acids.

Naphthalene—The market was reported as steady pricewise, with demand much improved over recent weeks, primarily because of stepped up phthalic anhydride demand and production. The overall supply position of crude was said to be good because of heavy imports to augment the domestic production.

Phenol — Supplies were tight. Synthetic material was short by virtue of the benzol shortages and the critical chlorine shortage made acutely worse by the strike in the plants of a major chlorine producer since June 12. The natural phenols were likewise short, the supply being seriously hampered by a strike in the plants of a major producer since July 1.

Prices were advanced, as reported in the previous issue, on synthetic phenol by 2c. per pound effective immediately on spot and October 1 on contract by one maker. This was followed by another producer who advanced both synthetic and natural phenols on spot by 2c. per pound across the board. On both natural and synthetic phenol there currently existed a price spread of 2c. per pound, because, as of presstime, other producers had not as yet advanced spot prices although they had the matter under advisement.

Supplies were so short, however, that the announced higher prices on spot material effective immediately was of little practical consequence marketwise, because there was virtually no material to be had on spot. By the time established accounts were taken care of, and this was usually limited to their immediate needs, there was nothing left to offer on spot. The announcement of ligher prices, however, served the purpose of indicating the market trend and the probable price pattern of fourth quarter contracts. This tight supply situation, together with the large time interval between now and the end of the quarter, were the main reasons why the higher spot price pattern was not immediately followed on a wider scale last week.

Production of phenol in 1949, according to the Tariff Commission, totaled 224,544,000 pounds, of which 16,575,000 pounds was natural phenol and 207,969,000 pounds was synthetic production.

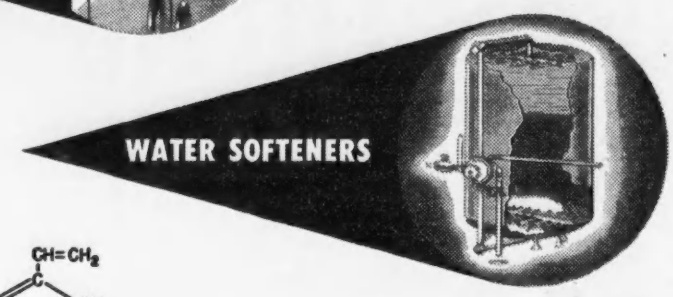
Pyridin — Refined 2 degree material moved in a market characterized by less pressure of demand from the pharmaceutical industry because of the seasonally slow demand for several items such as antihistaminics. The price position, however, was being maintained at former levels.

Toluol—While supplies were short from an overall point of view, the availability was not regarded as being as critical as the overall xylol supply. Prices were unchanged from levels established in June in the coaltar source material, and it was a matter of conjecture as to how long this price could hold in view of the increasing costs. Steadily increasing petroleum aliphatic fuel and solvent prices indicated higher fuel oil costs, which in turn would tend to boost coaltar prices, and increase the cost of tar distillation products.

Xylol—This market was unchanged from the conditions of drastic shortages,

For Late Market Developments, See Page 4

If you make



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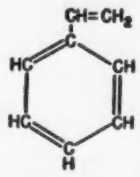

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firm prices, and demand in excess of supplies.

Dyes

A report from India stated that laboratory experimental dye production was in progress, but that as yet the country was entirely dependent upon imports for its dye supplies. The shortage or lack of intermediates for dyestuff manufacture in India was said to be one of the principle obstacles to domestic dye production. A shift in Indian dye purchases was reported, more material being bought from Germany and less from the United States. Reports indicated that Germany's share of the Indian dyestuffs business had increased to 23.5 percent in 1949-50 from a level of 10 percent in 1947-48. The United States share dropped from 61.7 percent in 1947-48 to 26.5 percent in 1949-50. The purchase of dyes from dollar areas was reported to have been banned for sometime, and a trade agreement has been effected between Germany and India.

Intermediates

Monochlorobenzene—Supplies were reported to have become critical as production was seriously hampered, not only by the benzol shortage, but by the very critical supply position into which chlorine had been thrown by a strike in the plants of a major producer, a strike which has been prolonged since June 12. As of press-time no indication of a settlement of the strike was in view. Prices maintained the position established at a higher level July 1. Demand was considerably in excess of the production which current raw material shortages would allow.

Orthocresol—The current price pattern on the various orthocresols were a bit different from the relative uniform pattern which the market had manifested in recent years. Normally material sold in returnable drums by some producers was quoted 0.3 per pound under the price level of material sold in non-returnable drums. The price spread of 0.3 per pound being allowed for the cost of the drum. Currently, however, the 30 degree and the 29 to 30 degree orthocresols were being quoted 1.3c. per pound under the price level of the material sold in non-returnable drums. Allowing the 0.3c. for the cost of the drum, the net effect of current price quotations on material supplied in returnable drums is a lower price schedule on the actual orthocresol by a full cent, under the non-returnable drum orthocresol prices.

The ortho market has been weak lately, prices declining at a time when other tar acid derivatives have been increasing. To some extent the weakness in the orthocresol market is due to reduced end-uses, but one of the major factors in its price decline has been the competitive influence of imported material. American manufacturing and raw material costs have been increasing over recent months, but the duty on this item has been reduced to a point where imported material is offered at lower than domestic production price levels. The result is that the item has become relatively unattractive from a profit standpoint, and some former producers have virtually ceased their manufacturing operations.

Orthodichlorobenzene—Production was considerably retarded by the shortage of benzol, and by the acute shortage into which chlorine had been thrown by the continued strike in the plants of a major producer since June 12, and as yet unsettled. Prices maintained the higher level established at the end of the second quarter.

Orthotoluidinmetasulphonic Acid—Demand was limited, and availability was said to be good. Prices were steady. Production in 1949 amounted to only around 6,000 pounds.

Paradichlorobenzene — Although this was currently the off season for consumption of this item, the moth proofing season being about over and the agricultural demand not due till around September, this item was short as a result of the critical chlorine shortage which hampered normal production. A strike in the plants of a major chlorine producer since June 12 had thrown the chlorine market into one of an acute shortage. Benzol was likewise tight. Prices were unchanged.

Phenylenediamine — The Tariff Commission reported the total output of para, ortho, and meta phenylenediamines in 1949 as amounting to 1,446,000 pounds. Demand was reported as good, with prices maintaining a firm position.

Phthalic Anhydride — Demand continued strong, particularly from the pro-

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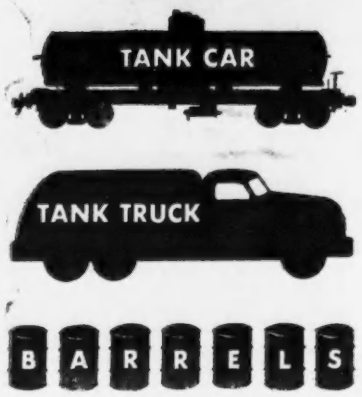

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tective coatings industry where it is widely used in the manufacture of alkyd resins, plasticizers, and certain organic pigments. Suppliers were still operating under considerable pressure of demand and in some cases working against a backlog of orders, but production was said to be getting under way at an accelerated pace. The temporary shortage that developed in the market after the resumption of ordering following a lull of several weeks, was beginning to ease. A period of sustained good demand and heavy business volume was expected for the weeks immediately ahead, sustained and spurred on perhaps by increased industrial war effort, but no serious shortage was expected to develop. Any curtailment in demand for phthalic glyceride based finishes that might result from future curtailment of automotive production, was felt likely to be offset in large part by the demand for coatings for materials of war.

Tolidin Base—Distilled orthotolidin was firmly priced at $1.10 per pound. Production in 1949 was reported by the Tariff Commission as amounting to 263,000 pounds of the acid and its salts. There was an adequate supply available.

General Aniline Appoints Brady to Grasselli Post

Dr. Lynn J. Brady has joined the professional staff of Grasselli Works division, General Aniline & Film Corporation. Supervisor of technical service for Air Reduction Company, New York, until assuming his present post, Dr. Brady's duties will include supervision of the control section of process development at General Aniline's large Linden plant.

Trade Briefs

Clinton Foods, Inc., New York, has engaged Mark Candee as general counsel for the firm, with headquarters in New York.

Institute of Textile Technology, Charlottesville, Va., awarded eleven men the degree of Master of Science at its second annual graduation exercises held recently.

Pennsalt Has Non-Sludging Aluminum Etching Product

"Pennsalt AE-18," a new, highly concentrated alkaline compound for etching aluminum without forming hard sludge deposits on the bottom of the etching tanks, is now being offered by the special chemicals department of the Pennsylvania Salt Manufacturing Company, Philadelphia.

The new etching compound is the result of research at Pennsalt's Whitemarsh research laboratories t develop a product which would give a bath of long life, assure uniform etching, and at the same time avoid the rock-like sludge deposits. Research work was followed by extensive field tests.

A titration chart and other information may be obtained by writing the special chemicals department, Pennsylvania Salt Manufacturing Company, 1000 Widener building, Philadelphia 7, Pa.

Stauffer Building New Research Laboratory

Stauffer Chemical Company, New York, has awarded a contract for the construction of a new research laboratory at Dobbs Ferry, N. Y., to the H. K. Ferguson Company. The one-story structure will have a structural steel frame with waterproofed brick veneer walls backed up by concrete block. It will be air conditioned and equipped with fluorescent lighting fixtures. Construction work is already underway.

API Production Division Sets Dates for 4 Meetings

The division of production of the American Petroleum Institute has set the dates for the 1951 spring meetings of four of its five districts. They are as follows:—

Southwestern district—Beaumont hotel, Beaumont, Tex., March 7 to 9; midcontinent district: Herring hotel, Amarillo, Tex., March 21-23; eastern district: Desher-Wallick hotel, Columbus, Ohio, April 3-5; Pacific coast district: Biltmore hotel, Los Angeles, Calif., May 10 and 11.

The time and place for the remaining meeting, that of the Rocky Mountain district, will be announced at a later date.

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Textile and Leather Chemicals

Improved demand strengthened the market for textile and leather chemicals last week. While most products were quotably unchanged prices were stronger. Corn derivatives were advanced fractionally due the higher cost of the grain. Flake egg albumen was lifted 13 cents per pound owing to the steady increase in the cost of frozen eggs. Price index advanced 11.0 points.

The scarcity of soda ash has stiffened the chemical group and brought out an active demand for actual and later requirements.

Some anxiety has come up recently about supplies of chrome minerals and the possibility of allocation. Washington has not concerned itself in the matter, in spite of the cutting off of exports of chrome ores from Soviet sources to the United States. The interested officials say that Soviet supplies are of minor importance. They also point out that there was no shortage of chemical grades of chrome minerals during World War II. Imports of that grade amounted to 78,723 long tons in the first four months of this year, which is about twice as much as was consumed during the period. Stockpiles of the chemical grade are believed to be almost a year's supply.

What is true of chemical grades of chrome minerals is true also of metallurgic and refractory ores. The four-month imports were 165,120 long tons and 39,402 long tons, respectively. Consumption of metallurgical averages around 33,000 tons a month; refractory about 27,000 tons.

Chromite from India is getting strongly into competition with South African ore in various world markets. Turkish ore has become quite plentiful, and the British Ministry of Supply reduced prices on refractory grade 10 shillings a ton July 1. South African production in 1949 was 445,723 short tons.

The scare on chrome shortage has had a recent political angle, one member of congress making a vigorous plea that the government revive its wartime chrome mining in Montana, which was stopped before the end of the war. Actual figures offer no support for that proposal.

Market Trends

Prices Advanced

Corn dextrin, 15c. per 100 lbs.
starch, 15c. per 100 lbs.
sugar, tanners, 15c. per 100 lbs.
Egg albumen, flake, 13c. per lb.
yolk, Chinese, 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
236.5	225.5	223.4	286.0	317.1

(*For Current Prices see Page* 9)

Chemicals

Acetic Anhydride—Conditions remained steady, with consumers taking sizable quantities for prompt delivery. Quotations were without change.

Bichromates—A firm tone continued to feature this market. Prices were without change and steady, reflecting the strength of basic materials. Consuming demand was fairly active for prompt delivery.

Sodium Hydrosulphite — While demand was spotty, the market continued firm at unchanged quotations. Inquiry for later requirements were reported improved.

Sulphonated Oils — Business was improved, though the bulk of orders were reported for prompt delivery. Prices of basic materials were firmer.

Sizing Materials

Albumin Blood—Buying interest was reported more active for immediate delivery. Albumin and dried soluble blood were unchanged and steady at current quotations.

Corn Dextrin—Further increases in the cost of corn were reflected in dextrin and quotations of all grades were lifted 15c. per 100 pounds. Business has increased for spot and prompt deliveries. Supplies were not heavy as production was sold ahead. Gum was advanced to $7.65 per 100 pounds, paper bags, carlots, New York delivery; canary, $7.49; dark, $7.59 and white, $7.34, same basis. Less carlots were 15c. per 100 pounds more. Price guarantee against advance was extended to July 31.

Corn Starch — Prices were raised 15c. per 100 pounds for all grades, due to the higher cost of the grain. Business was also more active for prompt delivery. Pearl was lifted to $6.07 per 100 pounds, paper bags, carlots, New York delivery and powdered, to $6.18, same basis. Lesser quantities were 15c. per 100 pounds higher. Visible corn supply declined 1,036,000 bushels to 37,414,000 pounds for the week ended July 15, compared with 7,990,000 bushels for the corresponding last year, according to the Chicago Board of Trade. Price guarantee against advance was extended to July 31.

Corn Sugar—Tanners sugar was firmer with other corn derivatives and was advanced 15c. per 100 pounds. Carlots were quoted at $6.14 per 100 pounds, paper bags, $6.30 per 100 pounds, barrels, New York delivery. Smaller quantities were 15c. per 100 pounds more.

Egg Albumen—Market was stronger and flake was advanced 13c. per pound last week. Prices were higher as a result of the increased cost of frozen eggs which have been advancing steadily. Flake was raised to $1.20 to $1.22 per pound, and powder, $1.24 to $1.26 per pound, depending upon quantity. Technical was unchanged and steady at 72c. to 82c. per pound, as to quality and quantity.

Egg Yolk—While albumen was boosted sharply, domestic yolk was quotably unchanged and firm at $1.09 to $1.12 per pound, depending upon quantity. Chinese yolk was firmer on the spot, reflecting the higher cost of replacements. Quotations ranged from 82c. to 84c. per pound, as to quantity.

Potato Starch—This market remained steady with competing products. Business was moderate chiefly for prompt delivery. Prices were maintained at 5½c. per pound, carlots, f.o.b. Maine, and 5c., f.o.b. Idaho. Supplies on the spot were moved in fair volume at 7¼c. to 7½c. per pound, ex warehouse, depending upon quantity, Consuming inquiry for government-owned starch was light. Carlots were quoted at 4½c. per pound, in 200-pound bags, f.o.b. Maine. The extra heavy bags have not been popular with buyers.

Sago Flour—Buying interest was limited, though the market was firm due to the high cost of replacements. Shipments were maintained at 6½c. per pound, ex dock. Stocks on the spot were held at 6.80c. to 7c. per pound, ex warehouse, as to quantity.

Tapioca Flour—Trading was active in Siamese low grade which was moved in round lots. This grade was held at 4½c. per pound, ex dock, with prices ranging up to 5¾c. per pound, same basis, for the better grades. Demand for Brazilian flour was restricted to spot stocks. The high grade was unchanged at 7c. to 7½c. per pound, ex warehouse, according to quantity; medium, 6½c. to 7c., and low, 5½c. to 6c., same basis.

Tanning Materials

Chestnut Extract — Demand was light and spotty, mainly for prompt delivery. Quotations were unchanged and well held.

Cutch — This market was without change and ruled steady. Replacements were maintained at 6¾c. per pound, ex dock. Consuming inquiry was fairly active.

Mangrove Bark — Tanners displayed more interest in prompt shipment. South American 30-32 per cent tannin for shipment was held at $60 to $61 per ton, ex-dock. Arrivals totaled 4,630 bags at New York last week.

Myrobalans — Trading was reported slow. Primary market, however, was unchanged and steady. J 1's were quoted at $52 per ton ex dock and crushed at $76.50 per ton, same basis.

Quebracho Extract—Firmness prevailed in primary markets. Tanners showed more interest in replacements, though trading was chiefly for prompt shipment at unchanged quotations. Imports at New York totaled 2,496 bags last week.

Valonia — Offerings of cups were recently advanced $2 per ton. Shipments were maintained at $53 per ton, ex dock. Consuming inquiry was more active for replacements. Beards were scarce and nominal at $78 per ton, ex dock.

Wattle—Recent price advance for wattle bark and extract stimulated buying interest and business improved materially of late. Market was firm and offers for shipment were not heavy and well held. Both materials were in good inquiry. Prices were maintained at current levels.

For Late Market Developments, See Page 4

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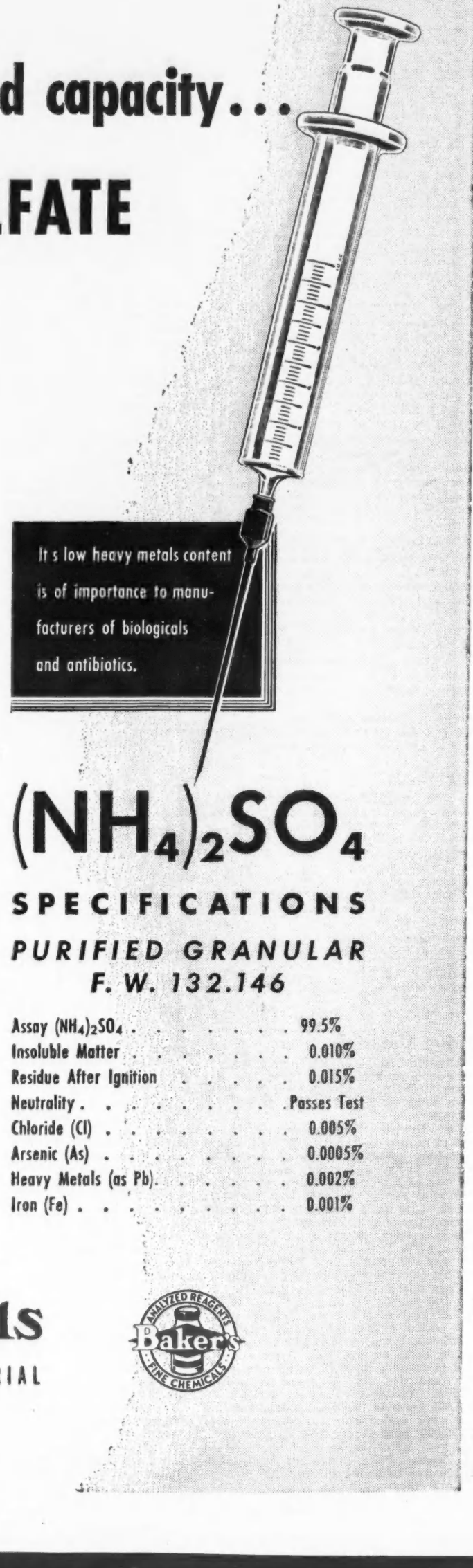

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Drugs and Fine Chemicals

Price trends in this market were generally upward, with the exception of synthetic vitamin A acetate and palmitate which dropped sharply by 25 percent. Butyl, ethyl, and hexyl aliphatic chemicals were advanced by one maker effective July 15 for spot delivery and October 1 on contract, indicating that the price trend of aliphatic organic chemicals would soon follow the higher pattern set on aromatic chemicals over the past weeks.

Cocoa butter was virtually not to be had at any price, and quotations maintained a high nominal level after a marked series of advances. Menthol was short on the spot market leading to an upward break of 60 cents per pound last week. Tetrahydrofurfuryl alcohol was 2 cents per pound higher. Corn syrup reflected the stronger commodity market and advanced 15 cents per 100 pounds. The index moved up 3.3 points to 257.0.

Producers of alcohols, esters, and ketones reported continued heavy demand and the accumulated higher raw material and manufacturing costs pointed to generally higher prices for the next quarter. The Far Eastern war situation was regarded as a threat to vitamin A fish oils, and the heavy producing capacity of the country for synthetic vitamin A at low prices was viewed with gratification. A strike in the plants of a large pharmaceutical manufacturer was settled last week.

Market Trends

Prices Advanced

Acid, butyric, 2c. per lb.
Ethylhexoic, 1c. per lb.
Alcohol, butyl, normal, synthetic, 1c. per lb.
Tetrahydrofurfuryl, 2c. per lb.
Butyl acetate, synthetic, 1c. per lb.
Castor oil, medicinal, ½c. per lb.
Cocoa butter, 7c. per lb.
Corn syrup, 15c. per 100 lbs.
Ether, butyl, 2c. per lb.
ethyl, synthetic, 1½c. per lb.
Ethyl acetate, synthetic, 1c. per lb.
Ginger, oleoresin, NF, African, $1 per lb.
Jamaican, $1.10 per lb.
Glyoxal, 1c. per lb.
Hexanol, normal, 1c. per lb.
Menthol, $1.10 per lb.
Methylamyl acetate, 1½c. per lb.
Methylamyl ketone, 10c. per lb.

Prices Reduced

Vitamin A acetate, synthetic, 6c. per 1,000,000 units.
palmitate, 6c. per 1,000,000 units.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
257.0	253.7	257.0	254.4	262.9

(*For Current Prices see Page 9*)

Acetoacetanilide—Material packaged in fiber drums was advanced 2 cents per pound on spot as of July 15, and October 1 on contract. Carlot spot prices were listed at 68½ cents per pound, and less carlot quantities at 69½ cents, delivered.

Acetoacetorthotoluidide — Spot prices on material packaged in fiber drums were quoted at 2½ cents per pound higher as of July 15 on account of increased raw material and manufacturing costs. Carlot quantities were listed under the new schedule at 73½ cents, and less than carlot quantities at 75½ cents, delivered.

Butyl Alcohol — A producer of the normal alcohol advanced spot prices 1 cent per pound, effective July 15. Contract prices would, of course, hold until the end of the quarter. Other producers, particularly those whose business was in large part spot business rather than contract, took the view that increased prices were certainly justified because of considerably increased costs, but were inclined to defer effecting a spot price increase until later in the quarter so as not to put their spot customers at a disadvantage for several weeks, in relation to their contract consumers. Under the new spot schedule tankcars were quoted at 13 cents, drum carlots at 14¾ cents, and less than carlot quantities at 15¾ cents per pound on a delivered basis.

Spot prices on secondary butyl alcohol were likewise advanced 1 cent per pound, but as of presstime the increase had not become general.

Butyl Ether—Increased raw material and manufacturing costs led to an upward adjustment in this item effective July 15 on spot and at the end of the quarter on contract. The advance amounted to 2 cents per pound, bringing the new price schedule to 31 cents in tankcars, 32½ cents per pound in drum carlots, and 33 cents in less than carlot drum quantities on an f.o.b. works basis.

Butyric Acid—Spot prices were quoted 2 cents per pound higher as of July 15, as a result of accumulated higher raw material and manufacturing costs. Under the new schedule, prices f.o.b. works were listed at 35 cents per pound in tankcars, 36½ cents in drum carlots, and 37 cents in less than carlot drum quantities.

Castor Oil—Oil prices were ½c. per pound higher. Beans were quoted at $115 per long ton July-August and $110 October.

Imports of beans last week amounted to 3,010 bags equivalent to 451,500 pounds, compared with 13,696 bags or 2,054,000 pounds the previous week, and 29,369 bags or 4,405,350 pounds during the corresponding period of 1949.

Total imports since January 1 of this year amounted to 820,225 bags equivalent to 123,033,750 pounds, compared with 970,801 bags or 145,620,150 pounds during the corresponding period of last year.

Cocoa Butter—With the cocoa bean market soaring the limit in price almost everyday on the exchange, bids being many against practically no offerings, the cocoa butter market shot up to high nominal quotations. Prices of 75c. per pound were considered nominal because there was no material to be had at any price. Some producers were said to be sold up for the balance of the year. Offerings of beans from Bahia and Accra were virtually nonexistant. Further sharp price rises were expected.

Corn Syrup—Prices were advanced 15c. per 100 pound last week, reflecting the stronger commodity market. Supplies, however, were regarded as adequate.

Ether, Ethyl—Industrial solvent material moved upward in price on spot effective July 15 by 1½c. per pound by virtue of the considerably higher raw material costs. Prices were quoted under the new schedule at 10c. per pound in tankcars, 12c. in less than carlot drum quantities, and 14c. in less than carlots.

Ethyl Acetate—Increased material costs which have long made this item an unprofitable one, were reflected in higher spot prices announced by one producer. The advance amounted to 1c. per pound on all grades and quantities, and was effective as of July 15 on spot and October 1 on contract. The higher quotations were viewed as necessary by other producers, but by virtue of the large portion of business done on a spot basis some producers were inclined to defer increasing their spot quotations until later in the quarter, closer to the date when quarterly contracts expire.

Ethylbutyl Alcohol — Reflecting the steadily increasing raw material costs, prices on spot material were advanced to levels of 28c. per pound in tankcars, 29½c. in drum carlots, and 30c. in less drum carlot quantities, on an f.o.b. works basis.

Ethylbutyl Ketone — Spot price schedules were quoted at 30c. per pound in tankcars, 31½c. in drum carlots, and 32c. in less than drum carlots. These prices were on an f.o.b. works basis, and represented a slight increase over former schedules as a result on higher raw material costs.

Ethylhexoic Acetate—The current spot price schedule on this item stood at 33c. per pound in tankcars, 34½c. in drum carlots, and 35c. in less drum quantities on an f.o.b. works basis.

Ethylhexoic Acid—The price structure of 2-ethylhexoic acid advanced 1c. per pound on spot effective July 15, reflecting the higher costs of raw materials and manufacturing. Under the new schedule prices f.o.b. works were listed at 30½c. per pound in tankcars, 32c. in drum carlots, and 32½c. in less than carlot drum quantities.

Ginger Oleoresin — The ginger market was reported very strong recently, and the root advanced sharply. Reflecting the strong root market, NF oleoresin prices climbed $1 to $1.10 per pound last week, with some producers advancing prices by amounts even larger than these figures. Price quotations between different sellers of African oleoresin last week ranged from $8.25 to $9.50 per pound, while the Jamaican material ranged from $10.50 to $12.85 per pound.

Glyoxal—Reflecting higher raw material costs this item was quoted 1c. per pound higher on spot last week. Under the new schedule prices, f.o.b. works, were listed at 18c. per pound in tankcars, 18½c. in drum carlots, and 19c. in less than carlot drum quantities.

Hexanol—The normal alcohol advanced 1c. per pound on spot, reflecting higher raw material costs. Tankcars were listed at 30c. per pound on an f.o.b. work basis, drum carlots at 31½c. and less than carlot drum quantities at 32c.

Ketones—One producer advanced spot

For Late Market Developments, See Page 4

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prices on methylethyl ketone and methylisobutyl ketone 1c. per pound effective July 15, with former schedules holding firm under contract until October 1. Similar action by other producers was under advisement.

Menthol — Tighter supplies on the domestic spot market were said to be the reason for the sharp advance of $1.10 per pound in menthol last week. Offerings from China were felt likely to be few and far between in view of the political and war situations prevailing in the Far East. The Brazilian crop was reported to be short, but it is so reported every year, and the exact extent of the shortage was not as yet reliably determined. In any event the spot New York market was showing indications of an appreciably stronger tone.

Methylisobutyl Carbinol — The greater cost of raw materials and manufacturing led one maker to quote a 1c. per pound higher spot price in the market last week. Tankcars were quoted at 12½c. per pound, drum carlots at 14½c., and less drum carlot quantities at 15c. per pound. Other producers had similar action under advisement, but felt that there was no immediate pressure for action, since most of the material moved under contract price schedules which could not be changed before October 1.

Milk Powder—The Production and Marketing Administration of the Department of Agriculture announced that effective immediately, plywood head fiber drums would be acceptable for the shipment of skimmed milk solids under Announcements Da-65 and Da-66. Heavy government purchase under the price support program continued at parity prices. Purchases made for the week ended July 13 amounted to 9,762,625 pounds of spray process skimmed milk powder, and 3,725,998 pounds of roller process material. This brought the total skimmed milk powder purchases so far this year to 274,833,612 pounds, compared with 250,766,500 pounds during the corresponding period of last year.

Monoisopropylamine — Higher spot prices by 1 cent per pound were effected on this item by one producer last week, and spot material was accordingly quoted over a 1 cent price range in which tankcars were quoted at 22½ to 23½ cents per pound. Contract prices were unchanged, but were scheduled to advance in some quarters to the higher spot level at the end of the current contract period.

Tetrahydrofurfuryl Alcohol—Prices on the regular grade were advanced 2 cents per pound in tankcars effective July 17. Under the new price schedule tankcars were quoted f.o.b. Niagara Falls at 38 cents per pound. Carlots of 80 drums were quoted on the same basis at 40½ cents. Less than carlot drum quantities were listed f.o.b. Waverly, New York, at 42½ cents per pound. Cans ranging from 8 to 80 pounds per can were quoted f.o.b. Waverly at prices unchanged from the former schedule of 47 cents per pound.

Meanwhile, the industrial grade was quoted f.o.b. at the same shipping points at levels of 26½ cents per pound in tankcars, 29 cents in drum carlots, 30½ cents in less than carlot drum quantities, and at 34½ cents per pound in cans.

Vitamin A—Synthetic vitamin A palmitate and acetate were both reduced in price 6 cents per 1,000,000 units last week. Tremendously increased production facilities with consequent economies of operation, together with an abundant supply on the market and relatively keen competition led to the price decline. Under the

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new schedule of 18 cents per million units, an expanded use of the synthetic vitamin A materials were expected to develop, and the abundance of material from the large plant capacity now prevailing in this country were viewed as welcome factors in a market threatened with serious uncertainties of the natural product due to the Far Eastern war situation.

Current price schedules on the natural acetate listed lots of 500,000,000 units or more at 15 cents per million units on material having a potency of 200,000 to 400,000 A units per gram under the 1894 factor. Under the Morton-Stubbs method of determining potency, prices were listed at 16 cents. On material having a potency of 400,000 A units or more per gram, the 1894 price was 17 cents per million units, and the Morton-Stubbs price was 18 cents. In quantities of less than 500,000,000 units per shipment, all prices were 4 cents per 1,000,000 units higher than those quoted above.

Just what effect the new low price of 18 cents per million units for synthetic vitamin A will have on the natural acetate and on the high potency fishliver oil and concentrate markets could not as yet be determined. One year ago, synthetic vitamin A was quoted at 48 cents per million units. In October it dropped to 43 cents, in November to 40 cents, in February to 30 cents, in April to 24 cents, and in this July to 18 cents.

Bids Wanted

Adhesive, water resistant, 4,500 gallons, Federal Supply Service (Box 5127, Cleveland) invitation CL-66-51, July 27.

Aluminum sulphate, Army Quartermaster (Fort Bragg, N. C.) invitation ENG-1, July 27.

Anti-corrosion agents, various, Army Chemical Center, Md., invitation 10, July 28.

Branding fluid, as required through June 30, 1951, Agriculture Department (Washington 25) invitation 302, July 26.

Carbon tetrachloride, 2,200 pounds, U. S. Naval Ordnance Laboratory (Silver Spring 19, Md.) invitation 60921/467, July 31.

Cleaner, painted surfaces, 50,000 pounds, Post Office Department (Washington 25) invitation 699, July 26.

Coating, coal-tar base, 2,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-50,953, August 4.

Coal-tar naphtha, 100,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,382, July 26.

Compressed gases, propane, 43,600 pounds, Navy Purchasing Office (111 E 16, New York) invitation 6855, August 9; acetylene, 180,000 cubic feet, and oxygen, 286,000 cubic feet, Army Ordnance Department (Letterkenny Depot, Chambersburg, Pa.) invitation 11, July 28; liquid gas, 20,590 pounds, Panama Canal (General Purchasing Officer, Washington 25) schedule 9664, August 3; medicinal oxygen, Commissioner of Purchases & Supplies, City Hall, Cleveland, Ohio, ordinance No. 1321-50, July 28.

Dihydrostreptomycin, solution, 1,000 vials, and sulphate, 1,000 vials, Panama Canal (General Purchasing Officer, Washington 25) invitation C-7410, July 26.

Dishwashing compound, 1,000 pounds, Federal Supply Service (Dallas, Texas) reference FW-10229, August 7.

Drugs, including cascara sagrada, fluid extract, 4,920 pints, rose water ointment, 1,630 pounds, thymol, zinc peroxide, codeine phosphate, large quantities, Veterans Administration (Washington 25) invitation A-6, August 1.

Dusting powder, 15,830 pounds, Veterans Administration (Washington 25) invitation A-6, August 1.

Ethyl alcohol, 5,000 gallons, Panama Canal (General Purchasing Officer, Washington 25) schedule 9654, August 3.

Ink, litho offset, land tint, September 1, 1950, through August 31, 1951, Commerce Department (Geodetic Survey, Washington 25) invitation 987, August 8.

Lubricants, oils, greases, various, Armed Services Petroleum Purchasing Agency (Navy Mail Center, Washington 25) invitation 1, grease, 1,200 pounds, general purpose lubricant, 4,000 pounds, and gear, 4,000 pounds, Panama Canal (General Purchasing Officer, Washington 25) schedule 9664, August 3; grease, 200 pounds, Post Office Department (Washington 25) invitation 796, August 2.

Paint, varnish, lacquer, etc., varnish, floor seal, 6,200 gallons, District of Columbia Government (Washington 1) schedule 14449-A, July 26; paint, 2,600 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-50,989, August 11; 3,290 gallons, various deliveries, invitation B-50,930, August 3; reflecting, 2,500 gallons, various deliveries, 2,500 gallons, invitation B-50,933, August 2; prime-sealer, 600 gallons, invitation B-50,991, August 4; enamel, 2,900 gallons, invitation B-50,993, August 3; lacquer, pyroxylin, 1,000 gallons, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 17, August 3; enamel, 420 gallons, Federal Supply Service (Washington 25) invitation 5L-91004-R, July 25; paint, floor, 2,500 gallons, invitation 5L-91007-R, July 25; exterior oil, 400 gallons, invitation 5L-91006-R, July 25; paint & allied products, various, Federal Supply Service (New York 13) invitation BO-W-23279, July 28; Federal Supply Service (Box 5127, Cleveland) invitation CL-2-51, July 27.

Pigments, red lead, 131,000 pounds, various deliveries, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-50,934, August 2; aluminum paste, 6,700 pounds, invitation B-50,947, August 4.

Pine pitch, 21,500 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-50,924, July 31.

Putty, white, 7,630 pounds, Federal Supply Service (Washington 25) invitation 5L-91015-R, July 26.

Rock salt, Commissioner of Purchases & Supplies, City Hall, Cleveland, Ohio, ordinance No. 1311-50, July 28.

Salad oil, 34,195 gallons, various deliveries, Veterans Administration (Washington 25) invitation 8-27, July 31.

Soap, borax compound, 7,200 pounds, U. S. Penitentiary, Atlanta, Ga., invitation 2 pi-5195, July 26; mechanics, hand scouring powder, 555,800 pounds, Quartermaster Procurement Agency (111 E 16, New York) invitation 17, August 9.

Soda, ash, 2,000 pounds, and **caustic,** 9,000 pounds, Panama Canal (General Purchasing Officer, Washington 25) schedule 9664, August 3; caustic, 28,000 pounds, Federal Supply Service (Washington 25) reference 91163-3, August 9.

Sodium orthosilicate, 428,100 pounds, Quartermaster Procurement Agency (111 E 16, New York) invitation 31, August 14.

Stencil correction fluid, 22,555 one-ounce bottles, Quartermaster Procurement Agency (111 E 16, New York) invitation 34, August 14.

Sulphuric acid, 60,000 pounds, U. S. Air Force (Chanute Base, Ill.) invitation 2, July 27; 697 gallons, Army Ordnance Department (Letterkenny Depot, Chambersburg, Pa.) invitation 9, July 25.

Tablets, atropine sulphate, codeine phosphate, colchicine, Veterans Administration (Washington 25) invitation A-5, July 31.

Tallow, choice beef, 2,204,620 pounds, Federal Supply Service (Washington 25) reference ECA-84-0502-3209-1, July 27.

Wax, general purpose, 5,000 gallons, Post Office Department (Washington 25) invitation 697, July 28; floor, 500 gallons, invitation 686, July 28; water emulsion, 13,000 gallons, Federal Supply Service (Washington 25) invitation 5G-91033-R, July 253,960 gallons, Federal Supply Service (Dallas, Texas) reference FW-10232, August 7.

Benzian Seeking to Promote United States-Swedish Trade

John Benzian, senior partner of Erik Lindblom & Co., Stockholm, Sweden, is now in the United States to investigate possibility of increasing trade between the two countries. The Lindblom company's associate in New York is European Chemical Company, 366 Broadway. Firms wishing to find a market in Sweden are invited to communicate with European Chemical.

Jefferson Adds McMahon to Staff

Robert E. T. McMahon has joined the sales department of Jefferson Chemical Company, New York. He has just received the degree of bachelor of chemical engineering from Clarkson College of Technology.

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Rubber Chemistry Meeting In Cleveland October 11-13

Chemists of five European countries have accepted invitations to take part in the first international meeting to be sponsored by the division of rubber chemistry of the American Chemical Society in Cleveland, Ohio, October 11 to 13. Rubber chemists from England, France, Italy, Netherlands, and Germany are scheduled to present a total of twenty-five technical papers which, together with an equal number of papers by Americans, will constitute a full three-day scientific program stressing the international exchange of information on the compounding and processing of natural and synthetic rubber.

McNeil Labs Appoints Cain to Research Post

McNeil Laboratories, Philadelphia, has appointed Dr. Cornelius K. Cain as manager of the department of organic chemistry of the division of medical sciences. In this capacity he will direct the synthetic organic research activities of the company. Dr. Cain formerly was assistant professor of organic chemistry at Cornell University.

Abbott Labs Opens in Phila.

Abbott Laboratories, North Chicago, Ill., has opened a new laboratory with 17,000 square feet of space at 628-38 E. Erie Ave., Philadelphia. Abbott's first Philadelphia branch was opened in 1933. It was discontinued in 1946 and operations were transferred to the New York, Pittsburgh and Baltimore branches. Re-opening of the Philadelphia branch increases the number of domestic branches to nineteen. Charles Moyer is branch manager and C. E. Fenger office manager.

Potdevin Machine Marketing Office-Model Label Paster

An office model, motor-driven label paster is a new product of Potdevin Machine Company, 1285 38th street, Brooklyn 18, New York. The "Mini-Labeler" is constructed of metal and finished in crackle-green to blend with office furnishings. Interchangeable heads are designed for cold glue application of a one-half inch margin or overall pasting of labels up to four inches wide and any length. Both reservoir and coating roller are made of bronze to avoid corrosion and to permit simple removal of paste when cleaning.

MRM Develops Acid Filler

MRM Company, Brooklyn, N. Y., has developed a semi-automatic filling machine intended for filling CP grade acids. The machine is specially designed for the filling of hydrochloric, nitric and sulphuric acids as well as for such CP alkalies as ammonium hydroxide. The acid filler takes bottles ranging up to the five-pint size. Rate of fill on five-pint bottles is said to be two fills per spout per minute. The machine operates on the vacuum principle with the vacuum being drawn by means of "Pyrex" glass steam air jet pump. Motors are furnished totally enclosed or explosion-proof.

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Calco Appoints McCleary To New Research Post

Dr. H. R. McCleary has been appointed sectional director of the application research department of the Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J. In his new capacity, Dr. McCleary, who joined the Calco physical chemical research staff in 1941, will assist on special assignments covering all of the activities of the physical chemical research section.

'Monobed' Deionization Detailed

A new twelve-page illustrated booklet on "Amberlite Monobed Deionization" offers information on the history, behavior, present performance and potential uses of the "Monobed" ion exchange systems in the water-conditioning, chemical process and other industries. Reactions of the various combinations of exchangers are explained in text and equations. The booklet discusses operating costs, equipment costs, quality of product derived, rinse requirements and other properties as they apply to the complete or partial single step removal of ionized solids from solution.

The booklet is available on request to the resinous products Division, Rohm & Haas Company, Washington Square, Philadelphia 5, Pa.

Merck Has Mexican Branch

Merck (North America), Inc., export subsidiary of Merck & Co., Rahway, N. J., has established a branch in Mexico City which will carry stocks of vitamins, penicillin, streptomycin and other drugs and fine chemicals. Juan Nolan, formerly Mexican representative for Merck (North America) has been appointed manager of the new office.

Breon Shifts Two

Clyde A. Johnson has been named division manager of the middle western states for George A. Breon & Co., Kansas City, Mo. Mr. Johnson, a former technical service representative, succeeds Leonard J. Clarke, who has been transferred to the middle eastern states as division manager.

Armour Foundation Names Benham Biochemistry Head

Dr. G. Harvey Benham has been named supervisor of biochemistry at Armour Research Foundation of Illinois Institute of Technology. Dr. Benham has been associate professor of biochemistry at Illinois Institute of Technology for the past five years.

Robin Pharmacal Changes Title

The Robin Pharmacal Company, New York, is now the Robin Pharmacal Corporation, it was announced last week. The new corporation has the following officers:—president, Sidney Rich; vice-president, John Gonzales, and secretary-treasurer, Max Smedresman. The company manufactures compressed and coated tablets.

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herewith announces the retirement of its Vice-President
Mr. HANS L. SCHLESINGER

The officers of our company are now:
Mr. Adolf Koppel
President, Treasurer
Mr. Fredric R. Meyers
Vice-President
Mr. Rolf R. Benzian
Secretary

Our business will be carried on as usual and our agents, representatives and business friends, here and abroad, are heartily invited to increase the number of their offers, inquiries and orders to us.

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Imports at United States Ports

New York

ALTHEA ROOT—9 bgs, Venice
ALUM, POTASH—2 cs, United Nations, London
AMINOSOL GLUCOSE—3 cs, Ethicon Suture Labs, Gothenburg
AMMONIUM BICARBONATE—1,339 dms, Chemical Manufacturing Co, Liverpool
CHLORIDE—5,718 bgs, Chemical Manufacturing Co, Liverpool
4,718 bgs, Liverpool
ANILIN COLORS—54 kgs, Geigy & Co, Rotterdam
100 dms, Lansen Naeve, Rotterdam
42 dms, Sandoz Chemical Works, Genoa
2 dms, Gondrand Bros, Havre
35 gls, Sandoz Chemical Works, Havre
ANISE OIL—10 dms, Ungerer & Co, Hong Kong
SEED—120 bgs, Levy & Lewis, Rotterdam
ANNATTO SEED—126 bgs, London
ANTIMONY ORE—384 tons, So Amer Minerals & Merchandise, Callao
REGULUS—5e9 cs, Frank Samuel, Rotterdam
40 cs, C Gitlan & Co, Antwerp
BABASSU OIL—201 tons, Colgate-Palmolive-Peet, Sao Luiz Do Maranao
BEESWAX — 16 bgs, Schutte & Focke, Ciudad Trujillo
30 bgs, Porcella Vicini, Ciudad Trujillo
42 bls, Young & Glen, Progresso
83 blocks, North American Continental Co, Lisbon
31 bgs, H H Pike, Havana
23 bgs, Geck Trading, Ciudad Trujillo
47 tubs, Rotterdam
17 bgs, Machado & Co, Ciudad Trujillo
16 bgs, Universal Investment Co, Havana
BOIS DE ROSE OIL—6 dms, Centflor Manufacturing Co, Manaos
12 dms, Givaudan Corp, Manaos
12 dms, National City Bank, Manaos
12 dms, Dodge & Olcott, Manaos
3 dms, Fritzsche Bros, Manaos
4 dms, Cortez Trading Corp, Manaos
BONE—491 bgs, International Packers Commercial Co, Santos
BRUCINE ALKALOID—8 cs, Merck & Co, London
SULPHATE—2 cs, European Chemical Co, London
CANARYSEED—819 bgs, Istanbul
363 bgs, Corn Exchange Bank, Istanbul
909 bgs, Hartz Mountain, Istanbul
91 bgs, Chase National, Istanbul
CANDELILLA WAX—2,625 bgs, C Jimenez Corp, Tampico
CARAWAYSEED—50 bgs, R J Spitz, Rotterdam
CARBONYL IRON POWDER—40 dms, General Anilin & Film Corp, Rotterdam
20 dms, General Anilin & Film Corp, Rotterdam
CARNAUBA WAX—333 bgs, W Diehl, Fortaleza
533 bgs, Wessel Duval, Fortaleza
56 bgs, Strohmeyer & Arpe, Fortaleza
222 bgs, Pan American Trade, Fortaleza
168 bgs, Cornelius Products, Fortaleza
42 bgs, W M Allison, Fortaleza
55 bgs, Wax & Rosin Products, Fortaleza
423 bgs, Fordom Commercial, Fortaleza
75 bgs, Wax & Rosin Products, Parnahyba
788 bgs, W R Grace & Co, Parnahyba
531 bgs, Wessel Duval, Parnahyba
251 bgs, Bank of London & S A, Parnahyba
104 bgs, Strohmeyer & Arpe, Parnahyba
2,062 bgs, Amertrade Inc, Parnahyba
CASEIN—200 bgs, Tupman Thurlow, Buenos Aires
500 bgs, American British Chemical, Havre
CASHEW SHELL LIQUID—69 dms, Jacques Missir, Cochin
CASSIA—100 bls, Archibald & Kendall, Hong Kong
100 bls, R J Spitz, Hong Kong
200 bls, Archibald & Kendall, Hong Kong
207 bls, R H Landes, Hong Kong
300 bls, A G Dunn, Hong Kong
200 bls, Knickerbocker Mills, Hong Kong
OIL—10 dms, George Uhe, Hong Kong
CASTORBEANS — 1,400 bgs, Spencer Kellogg, Manta
1,610 bgs, Baker Castor Oil, Fortaleza
OIL—450 tons, Santos
231 tons, Recife
100 tons, Brasil Oiticica, Fortaleza
CELERYSEED—37 bgs, H Marmorek & Son, Rotterdam
73 bgs, Dyson Shipping Co, Marseilles
CHEMICALS—50 dms, F H Taussig, Havre
1 cs, Roure Dupont, Havre
50 cs, Bergstrom Trading Co, Gothenburg
77 crbys, Fallek Products, Rotterdam
40 cs, M Michel, Rotterdam
50 bbls, E M Sergeant, Rotterdam
43 dms, Industrial Sales Corp, Antwerp
23 cs, F H Taussig, Rotterdam
1 cs, United Nations, London
CHILLIES—473 bgs, John Holt, Liverpool
140 bgs, Hismoca, Lagos
CHROME ORE—2,000 tons, E J Lavino, Masinloc
CINCHONA PRODUCTS—14 cs, Guaranty Trust Co, Rotterdam
CITRONELLA OIL—16 dms, Lo Curto & Funk, Hong Kong
6 cyls, East Asiatic Co, Colombo
39 dms, Chevalier & O'Connor, Colombo
CLAY—3 cks, W R Keating, Havre
BURNT—1,000 bgs, Westinghouse Electric International Co, Liverpool
COAL TAR COLORS—20 cks, C A Haynes, Rotterdam
DYE—2 dms, E I Du Pont De Nemours, Gothenburg
COCONUT OIL—755 tons, American Trust Co, Cebu
COD LIVERS—141 dms, Silmo Chemical Corp, St Johns
9 tcs, Silmo Chemical Corp, St Johns
OIL—50 bbls, Peder Devold, Bergen
253 dms, Peder Devold, Bergen
CREAM OF TARTAR—200 bls, T M Duche, Barcelona
CRESYLIC ACID—195 dms, H A Gogarty & Co, Liverpool
119 dms, Union Carbide & Carbon, Manchester
213 dms, Monsanto Chemical Co, Liverpool
50 dms, Charles Page, Liverpool
CUMINSEED—134 bgs, Balfour Guthrie, Lattakia
CUTTLEFISH BONE—80 cs, Emerco Trading Co, Lisbon
175 cs, Venice
100 cs, Hershey Co, La Goulette
DAMMAR GUM—20 cs, Singora, Siam
50 cs, Gillespie Rogers Pyatt, Djakarta
DUST—100 bgs, Thurston & Braidich, Djakarta
DEXTRIN—100 bgs, Paisly Products, Rotterdam
DIACETYL—5 cs, Nodadol Agene, Rotterdam
DILLSEED—27 bgs, H Marmorek & Son, Rotterdam
DILLWEED OIL—2 dms, Chase National Bank, Rotterdam

OPD Correction

In OPD's imports section, issue of January 30, 1950, it was erroneously reported that 480 bags of black pepper consigned to Volkart Brothers and 160 bags of black pepper consigned to Arthur G. Dunn had originated at the port of Penang. Actually, the 480 bags had originated at Alleppey and the 160 at Cochin.

DYESTUFFS—41 cks, Sandoz Chemical Works, Havre
2 cyl, Sandoz Chemical Works, Havre
16 kgs, Geigy & Co, Rotterdam
EARTH COLORS—6 cks, T H Deutz, Rotterdam
EUCALYPTUS OIL—15 dms, Dodge & Olcott, Malaga
50 dms, Malaga
6 dms, Melbourne
6 dms, French American Bank Corp, Santos
FENUGREEK SEED—404 bgs, Transatlantic Commodities Corp, Casablanca
FERRO COLOMBIAN—2 dms, Mercantile Metal-Ore Co, London
TUNGSTEN—19 dms, David Taylor, London
VANADIUM—11 dms, Mercantile Metal & Ore Corp, Liverpool
FERTILIZER—62 bls, Chase National Bank, Melbourne
59 bls, Chase National Bank, Sydney
FLATFISHLIVER OIL—5 dms, International Fisheries, Yokohama
FUEL OIL—205,000 bbls, Esso Standard Oil, Aruba
47,087 bbls, Asiatic Petroleum, Aruba
53,300 bbls, Asiatic Petroleum, Curacao
87,000 bbls, Mexican Petroleum, Aruba
97,896 bbls, Esso Standard Oil, Caripito
15,604 tons, Hess Inc, Curacao
134,581 bbls, Shell Oil Co, Aruba
43,527 bbls, Paragon Oil Co, Curacao
101,459 bbls, Cities Service, Tampico
10,000 bbls, Asiatic Petroleum, Curacao
GALANGAL ROOT—84 bls, R J Prentiss, Hong Kong
77 bgs, Balfour Guthrie, Hong Kong
GALLNUTS—420 bgs, Mallinchrodt Chemical, Hong Kong
504 bgs, Arnhold & Co, Hong Kong
GELATIN—20 bbls, Coignet Chemical Co, Antwerp
400 bgs, M J Corbett, Havre
GERANIUM OIL—3 cks, National City Bank, Algiers
8 cks, Lo Curto & Funk, Rotterdam
GINGER OIL—2 dms, Magnus Mabee & Reynard, Rotterdam
GLUE—200 bgs, Rotterdam
2 cs, M J Corbett, Marseille
10 bgs, Marseille
20 bls, Marseille
STOCK—254 bgs, Karr Ellis, Liverpool
100 bls, H J Baker, Buenos Aires
230 bls, H Remis, Maracaibo
GLYCERIN—95 dms, Sydney
GRAINS OF PARADISE—26 bgs, London
GRAPHITE—23 bgs, Meyer Shipping Co, Bergen
250 bgs, Asbury Graphite Mills, London
CRUCIBLES—1 ck, Kent Metal & Chemical Works, London
GYPSUM, CRUDE—20,533 tons, U S Gypsum Co, Hantsport
1,910 tons, Newark Plaster Co, Walton
9,134 tons, National Gypsum Co, Little Narrows
306 bgs, L A Salomon & Bros, Liverpool
HENNA LEAVES—26 bls, J L Hopkins, Alexandria
HOREHOUND HERB—9 bgs, Alicante
ICTHAMOL—10 dms, S B Penick, Hamburg
19 cks, Alltransport, Inc, Havre
30 bbls, Robert & Co, Tampico
INSECTICIDE—1 bot, Geigy & Co, Rotterdam
1 kg, Geigy & Co, Rotterdam
INVERT SYRUP—216,837 gls, Havana
IRISHMOSS—15 bls, S B Penick & Co, Havre
IRON OXIDE—88 bgs, Rotterdam
436 bgs, T H Deutz, Rotterdam
RED—10 cks, J H Rhodes, Liverpool
1,305 bgs, C J Osborn, Malaga
KARAYA GUM—182 bgs, London
LABDANUM GUM—12 cs, Seville
LANOLIN—100 dms, N I Malmstrom, Manchester
LAUREL LEAVES—20 bls, Leghorn
LAVENDER FLOWERS—50 bls, Alicante
LEMONGRASS OIL—8 dms, Magnus, Mabee & Reynard, Cochin
2 dms, George Lueders, Cochin
LIME OIL—1 dm, Dodge & Olcott, Port Au Prince
2 dms, W J Bush, Port Au Prince
1 cs, W J Bush, Port Au Prince
1 dm, George Uhe, Gonaives
LOCUST BEAN GUM—37 bgs, Amfort Trading Co, Barcelona
1,401 bgs, Valencia
198 bgs, Stein, Hall, Lisbon
1,100 bgs, Genoa
300 bgs, T M Duche, Genoa
800 bgs, Guaranty Trust Co, Rotterdam
MAGNESIA CARBONATE—50 cs, Lo Curto & Funk, Liverpool
800 bgs, Reheis Co, Liverpool
MANGROVE BARK—1,187 bgs, T & W Lumber Co, Tumaco
1,725 bgs, River Plate Import & Export, Tumaco
1,725 bgs, Barkey Importing Co, Tumaco
MEDICINAL HERBS—85 bgs, L Mueller, Beirut
250 bgs, Superintendence Co, Beirut
10 bls, Leghorn
29 bls, Kellys American Co, Hamburg
10 bls, Peek & Velsor, Antwerp
53 bls, National City Bank, Antwerp
MENTHOL—10 cs, Volkart Bros, Yokohama
60 cs, Paul A Dunkel, Taku Bar
65 cs, McKesson & Robbins, Taku Bar
15 cs, Biddle & Sawyer, Taku Bar
15 cs, C L Huisking, Taku Bar
50 cs, Magnus, Mabee & Reynard, Taku Bar
20 cs, Consumers Import Co, Taku Bar
50 cs, P A Dunkel, Taku Bar
MICA—6 cs, Davies, Turner, Manchester
22 cs, American Mica Works, London
79 cs, Minerals & Insulation, London
23 cs, Eugene Munsell, London
20 cs, Brazilian Minerals & Timber Corp, Santos
84 cs, Western Hemisphere Raw Materials, Santos
69 cs, Westinghouse Electric International Co, Luanda
MILK SUGAR—45 bgs, Rotterdam
MINERAL ASPHALT—1,104 bgs, National City Bank, Havana
MUSTARD BRAN—90 bgs, H Marmorek & Son, Rotterdam
SEED—200 bgs, Amaren Trading Corp, London
NAPTHALENE—657 bgs, M J Corbett, London
2,500 bgs, American Cyanamid Co, Rotterdam
4,312 bgs, Antwerp
OIL, AMYRIS BALSAMIEFA—5 dms, Norda Essential Oil & Chemical Co, Caracol
OITICICA OIL—215 tons, Fortaleza
OLIVE OIL—50 dms, National City Bank, Tarragona
15 dms, Hellenic Bank & Trust Co, Tarragona
50 dms, National Shawmut Bank, Malaga
50 dms, Hellenic Bank & Trust Co, Malaga
129 dms, Credit Suisse, Malaga
50 dms, Manufacturers Trust Co, Malaga
120 dms, Seville
275 dms, Manufacturers Trust Co, Seville
26 dms, American Trust Co, Seville
25 dms, National City Bank, Seville
165 dms, Manufacturers Trust Co, Seville
75 dms, American Trust Co, Seville
100 dms, Chase National Bank, Seville
50 dms, Credit Suisse, Seville
250 dms, Central Hanover, Seville
100 dms, Public National, Seville
125 dms, Chemical Bank & Trust, Seville
519 dms, National City Bank, Tarragona
140 dms, Manufacturers Trust, Tarragona
50 dms, Cleveland Trust Co, Tarragona
250 dms, Marine Midland Trust, Tarragona
350 dms, Alona Corp, Seville
133 dms, Grace National Bank, Seville
50 dms, Hellenic Bank, Seville
50 dms, Chase National Bank, Seville
264 dms, Credit Suisse, Seville
FOOTS—231 bbls, Leghorn Trading Co, Beirut
ORANGE BLOSSOM WATER—6 cs, Sahadi Import Co, Beirut
ORTHOCRESYLIC ACID—44 dms, American British Chemical Supplies, Sydney
OX GALL—2 bbls, Gothenburg
3 dms, Liverpool
2 dms, Commonwealth Bank of Australia, Sydney
GLANDS—3 cs, Wilson & Co, Gdynia
OXYETHYLACETANILIDE—11 cks, Antwerp
PAPRIKA—2 bgs, Genoa
100 bgs, Van Norden & Archibald, Alicante
150 bgs, Alicante
PATCHOULI OIL—6 cs, Lautier Fils, Penang
PEANUT OIL—1,325 dms, Agro Products, Manchester
PEARL OIL—2 cs, Paispearl Product Co, Bergen
PEATMOSS—1,080 bls, Halfmoon Manufacturing, Rotterdam
2,741 bls, Premier Peatmoss Corp, Gdynia
1,200 bls, Bank of Manhattan, Dublin
PEPPER, BLACK—160 bgs, Otto Gerdau, Cochin
800 bgs, Mincing Trading, Cochin
80 bgs, East India Trading Corp, Cochin
80 bgs, Arthur G Dunn, Cochin
400 bgs, Volkart Bros, Cochin
160 bgs, Virchand Panachand, Cochin
RED—10 bgs, Promtex Inc, Iskenderun
WHITE—50 bgs, Catz American Co, Djakarta
PETITGRAIN OIL—1 dm, van Ameringen Haebler, Port Au Prince
PETROLEUM, CRUDE—127,932 bbls, Paragon Oil Co, Puerto La Cruz
126,600 bbls, Socony Vacuum Oil, Puerto La Cruz
208,534 bbls, Esso Standard Oil, Cartagena
131,031 bbls, California Refining Co, Ras Tanura
126,730 bbls, California Refining Co, Puerto La Cruz
6 dms, Socony Vacuum Labs, Trieste
PHARMACEUTICALS—20 dms, Brauner & Co, Marseilles
PIG GLANDS—3 cs, Wilson & Co, Gdynia
PITUITARY GLANDS—2 cs, Sydney
POLLACKLIVER OIL—20 dms, Nopco Chemical, Yokohama
50 dms, Albumina Supply, Yokohama
POLYVINYL CHLORIDE—52 cs, American Lucoflex, Havre
31 cs, American Lucoflex, Havre
POPPYSEED—100 bgs, Catz American, Rotterdam
100 bgs, Catz American, Rotterdam
100 bgs, R J Spitz, Rotterdam
250 bgs, S A Davis, Buenos Aires
POTASSIUM CYANIDE—150 dms, Terra Chemicals, Rotterdam
PERMANGANATE—14 dms, E M Sergeant Pulp & Chemical Co, Hamburg
PYRITE, IRON—50 bgs, Denver Equip Co, Genoa
QUEBRACHO EXTRACT—2,496 bgs, River Plate Import & Export, Buenos Aires
QUICKSILVER—200 flasks, Metalsalts Corp, Tampico
500 flasks, Rotterdam
RADIUM ELEMENT—1 cs, Radium Chemical Co, Antwerp
RESIN SYNTHETIC—20 cks, Ciba Co, Havre
SCRAP—187 bgs, F L Kramer, London
RHUBARB ROOT—8 cs, Meer Corp, Hong Kong
ROSEMARY OIL—16 dms, Alicante
SAGE LEAVES—40 bls, Balmore & Co, Alexandria
SARSAPARILLA ROOT—25 bls, Tampico
SEEDLAC—200 bgs, J S Khorana, Bangkok
SHARKLIVER OIL — 6 dms, Collett Week Nibecker, Oslo
103 dms, Interocean Chemical & Minerals Corp, Yokohama
SHELLAC—700 bgs, Reuben Import Export Co, Genoa
25 bgs, 20 cs, 3 dms, F H Paul & Stein, Rotterdam
SIENNA EARTH—22 cks, Reichard Coulston, Leghorn
SODIUM CYANIDE—550 dms, Terra Chemicals, Rotterdam
221 dms, Elbert & Co, Rotterdam
SOLELIVER OIL—2 dms, Consumers Import Co, Yokohama
SULFAGUANIDINE—1 bbl, Lo Curto & Funk, Antwerp
TALC—2,825 bgs, C Mathieu, Genoa
TAPIOCA FLOUR — 400 bgs, Sembodja Corp, Bangkok
470 bgs, Stein Hall, Bangkok
5,000 bgs, Corn Products Refining Co, Puerto Plata
TARTAR—864 bgs, Tartaric Raw Materials, Marseilles
TARTARIC ACID—71 bbls, Villar & Osorio, Antwerp
TETRAHYDROFURFURYL STEARATE—1 dm, Sorbonne Labs, Liverpool
THALLIUM METAL—1 cs, International Selling Co, Marseilles
SULPHATE—1 cs, International Selling Co, Marseilles
THYME LEAVES—137 bgs, Alicante
TITANIUM ALUMINUM—180 dms, Penson & Co, Liverpool
TONKA BEANS—16 bbls, W M Allison, Belem-Kara
TRAGACANTH GUM—10 cs, Nawee Noonoo, Beirut
6 cs, Istanbul
TURMERIC—155 bgs, Becker Mayer Seed Co, Port Au Prince
TUNG OIL—585 tons, Balfour, Guthrie, Hong Kong
106 tons, China Mutual, Hong Kong
390 tons, Werner G Smith, Hong Kong
317 dms, Oceanic Enterprises, Taku Bar
797 dms, Pacific Vegetable Oil, Taku Bar
TUNGSTEN CONCENTRATES—940 bgs, Melbourne
SCRAP—663 lbs, N V Groma, London
ULTRAMARINE BLUE—110 cks, A V Berner, Liverpool
34 bgs, A V Berner, Liverpool
10 cs, Marcel Calvet, Hamburg
UMBER—404 bgs, Whittaker, Clark & Daniels, Manchester
91 bgs, Mineral Pigments Corp, Alexandria
UREA—980 bgs, Terra Chemicals, Rotterdam
VALERIAN ROOT—11 bgs, Kellys America, Rotterdam
VANILLA BEANS—33 cs, Florasynth Labs, Marseilles
25 cs, Chase National Bank, Havre
VEGETABLE OIL—22 dms, Antwerp
WAX—20 cs, W Diehl, Yokohama
VETIVER OIL—2 dms, Trubek Labs, Port Au Prince
WHALELIVER OIL—28 dms, National City Bank, Yokohama
WHITING—2,468 bgs, N H Weitzner, Antwerp
60 bgs, C B Chrystal, London
WOLFRAM ORE—501 bgs, Chase National Bank, Bangkok
WOOL WAX—8 bbls, N I Malmstrom, Manchester
GREASE—42 dms, Sydney
ZIRCON ORE—4,000 bgs, Bank of New So Wales, Sydney

Baltimore

BARBASCO POWDER—1,800 bgs, Pan Americana, Belem Para
CASEIN—500 bgs, H S Cramer, Havre
CRESYLIC ACID—397 dms, Philipp Bros, Liverpool
OLIVE OIL—500 dms, Chemical Bank, Seville
PEATMOSS—1,555 bls, Halfmoon Manufacturing, Rotterdam
SIENNA, CRUDE—250 bgs, Irving Trust Co, Leghorn

Boston

AMMONIUM CHLORIDE—400 bgs, Liverpool
400 bgs, Chemical Manufacturing Co, Liverpool
ANTIMONY OXIDE—500 bgs, Harshaw Chemical Co, Liverpool
CASEIN—1,000 bgs, Paul A Dunkel, Buenos Aires
200 bgs, Wilbur Ellis, Buenos Aires
500 bgs, American Cyanamid, Buenos Aires
COTTON LINTERS—88 bgs, New England Waste, Santos
CRESYLIC ACID—50 dms, I M Sabin, Liverpool
50 dms, Charles Page, Liverpool
GLUE—707 bgs, Nicholson & Co, Rotterdam
200 bgs, Nicholson & Co, Hamburg
STOCK—323 bls, General Foods Corp, Liverpool
245 bgs, 1st National Bank of Boston, Rotterdam
GRAPHITE—250 bgs, Asbury Graphite Mills, London
IRISHMOSS—176 bls, Algin Corp, Dublin
11 bls, T M Duche & Sons, Havre
264 bls, Algin Corp of America, Havre
MICA—58 cs, Brazilian Minerals & Timber Corp, Liverpool
NAPHTHALENE—3,100 bgs, Antwerp
OLIVE OIL—100 dms, 1st National Bank of Boston, Tarragona
50 dms, National City Bank, Tarragona
175 dms, Chemical Bank & Trust Co, Seville
OSSEINE—1,893 bgs, Atlantic Gelatine Co, Antwerp
PEATMOSS—500 bls, Atkins & Durbrow, Bremen
POTASSIUM CYANIDE—50 dms, Terra Chemical, Rotterdam
POLYVINYL ACETATE RESIN, HYDROLIZED—100 bbls, Sterone Corp, Hamburg
SODIUM SULPHATE—5,000 bgs, Monsanto Chemicals, Rotterdam
WHITING—2,000 bgs, Pleuss, Stauffer, Antwerp

Galveston

TIN ORE—4,209 bgs, Singora, Siam

New Orleans

PEPPER, BLACK—80 bgs, Otto Gerdau, Cochin
80 bgs, Volkart Bros, Cochin

Norfolk

FERTILIZER—277 bgs, J C Jett, Dublin
900 bgs, J C Jett, Manchester
PEATMOSS—500 bls, Halfmoon Manufacturing, Rotterdam
TRAGASOL—60 cks, J P Marston, Liverpool

Philadelphia

AMMONIUM CHLORIDE—100 bbls, Philipp Bros, Gdynia
ASBESTOS FIBER—239 bgs, Durban
BALL CLAY—240 tons, United Clay Mines, Avonmouth
300 tons, Moore & Munger, Avonmouth
550 tons, Paper Makers, Avonmouth
160 bgs, Paper Makers, Avonmouth
BONE—1,488 bgs, Bank of N. Y. & 5th Ave, Casablanca
GRIST—1,422 bgs, Baugh & Son, Rosario
11,959 bgs, Credit Suisse, Rosario
CANARYSEED—454 bgs, Brown Bros Harriman Co, Istanbul
CASEIN—50 bgs, Cramer & Co, Havre
600 bgs, National Casein Sales Co, Lisbon
1,000 bgs, W Ellis Co, Buenos Aires
500 bgs, Tattersfield, Buenos Aires
1,000 bgs, National Casein Sales, Montevideo
CHINA CLAY—5,579,392 lbs, Paper Makers, Fowey
5,463,472 lbs, English China Clay, Fowey
1,125,264 lbs, John W Higman, Fowey
1,654,721 lbs, Moore & Munger, Fowey
400 bgs, Paper Makers, Avonmouth
COPPER SCRAP—210,492 kilos, N Y Groma, Yokohama
CORNWALL STONE, GROUND—22,624 bls, English China Clay Sales, Fowey
CRESYLIC ACID—251 dms, Concord Chemical Co, Rotterdam
FLUORITE—1 bg, Vandegrift & Co, Genoa
GYPSUM—6,299 tons, U S Gypsum, Hantsport
LEAF—1,064 pcs, Bers Co, Kobe
104 pcs, Philadelphia National Bank, Kobe
3 dms, Antwerp
MOLASSES—3,523,464 gal, North American Trading & Import Co, Banes
NAPHTHALENE—2,777 bgs, Rotterdam
5,833 bgs, Allied Chemical Corp, Rotterdam
1,250 bgs, Antwerp
NEATSFOOT OIL—157 dms, Buenos Aires
NUCLEINIC ACID—1 cs, Smith Kline & French, London
PEATMOSS—1,200 bls, Bank of Manhattan, Gdynia
350 bls, Rotterdam
300 bls, Keer Maurer, Bremen
PETROLEUM, CRUDE—245,433 bbls, Socony Vacuum, Covenas
118,260 bbls, Texas Oil Co, Las Peidras
242,452 bbls, Gulf Oil Corp, Puerto La Cruz
109,429 bbls, Gulf Oil Corp, Las Peidras
110,604 bbls, Gulf Oil Corp, Mena Al Ahmadi
118,321 bbls, Atlantic Refining Co, Puerto La Cruz
122,491 bbls, Atlantic Refining Co, Pamatacual
184,077 bbls, Socony Vacuum, Mena Al Ahmadi
POPPYSEED—50 bgs, R J Spitz, Rotterdam
REFRACTORY MATERIAL—1 cs, Gamlen Chemical, London
SHARKLIVER OIL—45 dms, Corn Exchange Bank, Yokohama
TUNG OIL—400 dms, Pacific Vegetable Oil, Taku Bar
WATTLE EXTRACT—1,084 bgs, American Cyanamid Co, Durban
1,610 bgs, Olson Sales Agency, Durban

Port Richmond

MANGANESE ORE—5,000 tons, E J Lavino, Takoradi

San Francisco

CANDLES—10 cs, Art-Decor, Oslo
CLOVES—100 bgs, D Hecht & Co, Colombo
COPRA—1,500 tons, Cargill Inc, Cebu
500 tons, El Dorado Oil Works, Cebu
500 tons, Cargill Inc, Suriago
FISHLIVER OIL—383 dms, Nopco Chemical Co, Yokohama
HERRINGMEAL—10,000 bgs, Wilbur Ellis, Oslo
LEAD COPPER DROSS—25,034 kilos, American Smelting & Refining Co, Townsville
ORE—633 tons, J Henry Schroeder, Chimbote
404 tons, Antofagasta
147 tons, Metal Traders, Antofagasta
275 tons, Phillip Bros, Callao
SLAG—338 tons, American Smelting & Refining Co, Antofagasta
340 tons, So Amer Minerals & Merchandise, Antofagasta
MINERALS—540 bgs, American Smelting & Refining Co, San Jose de Guat
PEPPER, BLACK—320 bgs, Alleppey
80 bgs, Volkart Bros, Cochin
SHOE POLISH—800 ctns, Kiwi Polish Co, Melbourne
SILVER ISOLITE—1 cs, United International Import Co, Kotka
SILVER LEAD ORE—880 bgs, American Smelting & Refining Co, Townsville
SODIUM NITRATE—535 tons, Guaranty Trust Co, Tocopilla
TIN INGOTS—335 slabs, Metal Traders, Singapore
551 slabs, Tennant Sons, Singapore
TUNG OIL—134 dms, Arnhold Trading Co, Taku Bar
53 dms, D Hecht & Co, Hong Kong
VARNISH GUMS—80 bgs, Henry W Peabody & Co, Manila

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AEC Offers Fellowships To Industrial Physicians

A fellowship program for training a limited number of industrial physicians will be started by the Atomic Energy Commission this fall, if qualified candidates can be obtained.

During the 1950-51 academic year up to four qualified candidates will be selected for academic training in industrial medicine. The stipend for Fellows will be $3,600. During 1951-52, an additional year of on-the-job training a AEC installations will be offered to selected physicians who complete the first year of academic training. On-the-job training would carry a salary of $5,000 per year.

Application forms for AEC industrial medicine fellowships may be obtained from the AEC industrial medicine fellowship committee, division of biology and medicine, Atomic Energy Commission, Washington 25, D. C.

Du Pont Advances Mullis To Petrochemicals Post

Petroleum chemicals division of E. I. du Pont de Nemours & Co. has appointed Alfred R. Mullis manager of the Gulf Coast district office with headquarters in Houston, Tex. Mr. Mullis has been with the du Pont company since 1947 as a petroleum chemicals division representative in the Gulf district. Prior to the recent war he was employed in the research and development department of the Humble Oil & Refining Company, Baytown, Tex.

Hall Labs Publishes Water Problems Booklet

The industrial water engineering services offered in the fields of water procurement, treatment, usage and disposal by Hall Laboratories, Inc., Pittsburgh, are described in a new booklet, "Let's Consider Your Whole Water Problem," just issued by the firm. Organization of the Hall technical staff, comprising engineering specialists in water problems and in various processes in which water is employed, research and analytical units, and field service engineers, is described and diagramed. Typical service problems are discussed, with illustrations showing flow schemes of water in process and disposal.

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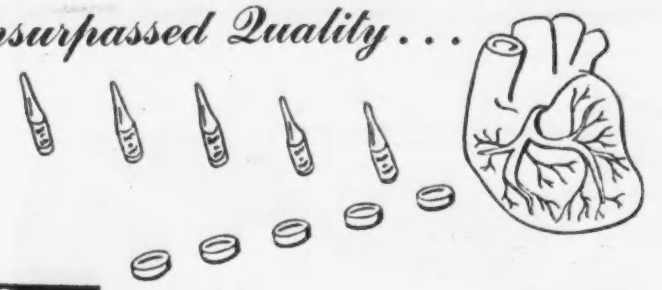

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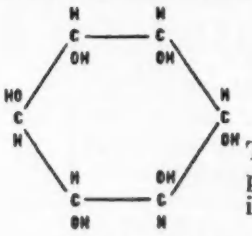

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Botanical Drugs, Spices, Gums

Condimental materials continued their upward sweep in price and throughout the past week responded to demand and supply in a way that made trade a hectic affair. Among drug items, African and Jamaican ginger rose materially, and stramonium leaves, plus goldenseal, senega, and Canadian snake roots all fetched more money. But the excitement in flavoring materials overshadowed all else. By the end of the week, the market indeed was up 3.3 points to 185.0.

The upheaval in prices, trading conditions, and demand in condimentals stemmed directly from the war in Korea—pardon, the "police action." Virtually every Far Eastern product held the possibility of material profit or disastrous loss—and the teaming up of profit and loss went especially for black pepper, an article that made a new high for this year. In fact, the following flavoring botanics reached new highs for 1950:—Anise, Chinese, Dutch caraway, bleached, decorticated, and green cardamom, Saigon cassia, Ceylon cinnamon, French celery, Madagascar and Zanzibar clove, Argentine and Morocco coriander, Jamaica ginger, West Indian mace, East and West Indian nutmegs, black and white pepper, and Czech, Dutch and Polish poppy seed.

Collections of mandrake root were off and a return of buying interest advanced prices in all markets. Somewhat similar conditions governed in goldenseal, senega and Canadian snake root. Country reports indicated sales of blood root. Such reports also said that collections of domestic botanicals in general were disappointing to this time and that the future of supply was not encouraging.

Barks

Cinchona — Far Eastern developments were certainly not a forecast of greater facility in the matter of getting Indonesian bark to the United States for quinine manufacture. Any and all commodities from that part of the world gained strength steadily throughout the past week.

Cocillana—As yet, no important replacement quantities have reached these shores but it was understood that a fairly ample protection of consumer requirements to develop next Winter has been undertaken by local dealers.

Beans

Vanilla—Although most flavoring commodities were definitely strong and advancing last week, the improvement in demand and the gain in prices was not extended to vanilla beans. Until the larger flavoring extract manufacturers leave conservatism aside and once more enter the lists for additional supplies of beans, a market at about current levels was expected to be maintained.

Flowers

Chamomile—Though some found consumer interest gaining slightly, the improvement in interest did not often extend to the submission of firm orders for prompt deliveries. Which was possibly fortunate in that the unsold stocks on spot were conservative in size and replenishments have yet to reach here from the primary market.

Lavender—A right smart spot lot of Spanish spike flowers was available but absolutely no interest could be aroused in the holding regardless of the "suicide" price at which it could have been obtained. It was a consigned stock.

Imports Detained by FDA

Week Ended July 14

New York

Apricot kernels, bitter, 8 bags: wormy and decomposed.
Capsicums, 356 bags: live and dead insects.
Caraway seed, 800 bags: filthy.
Cassia, 223 packages: insect filth.
Cassia buds, 34 bags: live and dead insects.
Chillies, 209 bags: live and dead insects.
Cod oil, 75 drums: decomposed.
Ergot, 18 bags: filthy; not USP.
Fennel seed, 63 bags: filthy.
Karaya gum, 2 bags: filthy.
Mace, 5 cases: live and dead insects.
Pepper, black, 1,012 bags: moldy and insect bored.
Pimento, 160 bags: live and dead insects.
Stramonium leaves, 43 bales: filthy.
Turmeric root, 68 bags: live and dead insects.

Atlanta

Cottonseed meal, 850 bags: decomposed.

Market Trends

Prices Advanced

Drugs

Ginger root, African, 4c. per lb.
Jamaica, 4c. per lb.
Nigerian, 4c. per lb.
Goldenseal root, 35c. per lb.
Senega root, 5c. per lb.
Snake root, Canada, 5c. per lb.
Stramonium leaves, 3c. per lb.

Other Articles

Allspice, Mexican, ½c. per lb.
Anise, Chinese, 6c. per lb.
Czech, ¼c. per lb.
Mexican, ½c. per lb.
Caraway seed, Dutch, ½c. per lb.
Cardamom, bleached, bold, 20c. per lb.
medium, 35c. per lb.
decorticated, Guatemala, 5c. per lb.
green, Alleppey, 20c. per lb.
Ceylon, 20c. per lb.
Cassia, Saigon, broken, 3c. per lb.
medium, 7c. per lb.
Celery seed, French, 2c. per lb.
Indian, ½c. per lb.
Cinnamon, Ceylon, 4c. per lb.
Clove, Madagascar, 2½c. per lb.
Zanzibar, 3c. per lb.
Coriander seed, Argentine, 4c. per lb.
Moroccan, 5¾c. per lb.
Cumin seed, Iranian, ¾c. per lb.
Syrian, ¾c. per lb.
Mustard seed, Dutch, yellow, ½c. per lb.
English, yellow, 1½c. per lb.
Nutmegs, E. I., 4½c. per lb.
W. I., 2c. per lb.
Pepper, black, spot, 30c. per lb.
Pimento, 1c. per lb.
Poppy seed, Czech, 3c. per lb.
Dutch, 4c. per lb.
Polish, ½c. per lb.
Sage, Syrian, 1c. per lb.
Sesame seed, Chinese, hulled, 1c. per lb.
Nicaragua, hulled, ½c. per lb.
natural, ¼c. per lb.
Thyme, French, 1c. per lb.
Turmeric, Madras, 1c. per lb.

Prices Reduced

Drugs

None

Other Articles

Sage, Dalmatian, 5c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
185.0	181.7	185.7	193.6	184.1

(For Current Prices see Page 9)

Gums

Arabic — The market was generally steady. Less selling pressure appeared to exist on this market, possibly due to the general unrest which has been caused in many commodities by the international situation with respect to what could happen as the result of the Korean warring.

Camphor—At least for the time being, little danger exists of Formosa as a source of natural camphor being cut off. Temporarily, the United States navy stands between the island and the potential Red raiders on the China coast.

However, the availability of ample stocks of domestic manufactured synthetic camphor makes it possible to forecast no shortage of the article and to this time no unusual demand has arisen in reflection of the international situation.

Herbs and Leaves

Belladonna—Buyers have not been unduly active despite the general unsettlement of the markets. The attitude of both buyer and seller was one of watchful waiting while fully realizing that Korea could be the start of wide trouble. Should the worst happen, the position of belladonna would be difficult in that it is too late to begin domestic cultivation this year.

Lobelia—The market was under close watch but to this time signs entirely definitive of the size of the new crop have been lacking. In general, collections of most domestic drugs have been less than had been expected.

Sage—Dalmatian sage on spot was down to $1.15 to $1.20 per pound, mainly because of the absence of orders. Stocks were still low. Syrian sage was higher at 19c. to 19½c. per pound.

Stramonium—Most sellers had stronger price views and quotations were higher at 22c. to 24c. per pound by the end of last week. It was a matter of prevailing replacement costs.

Thyme—The highly valued French item was higher at 15½c. to 16c. per pound—which was also the most recent shipment price. It also sold at 15c. for later arrival.

Miscellaneous

Cantharides—Practically all Chinese products, save these flies, were raised last week in a hectic market. Unchanging spot prices indicated that the liquidation supply still remains unsold.

Ergot—The foreign market, basically, was considered to be strong. Until the crop is farther along than at present, importers here were disposed to think that the production will not be excessive and

For Late Market Developments, See Page 4

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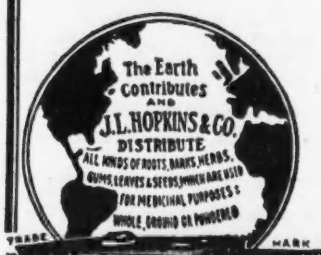
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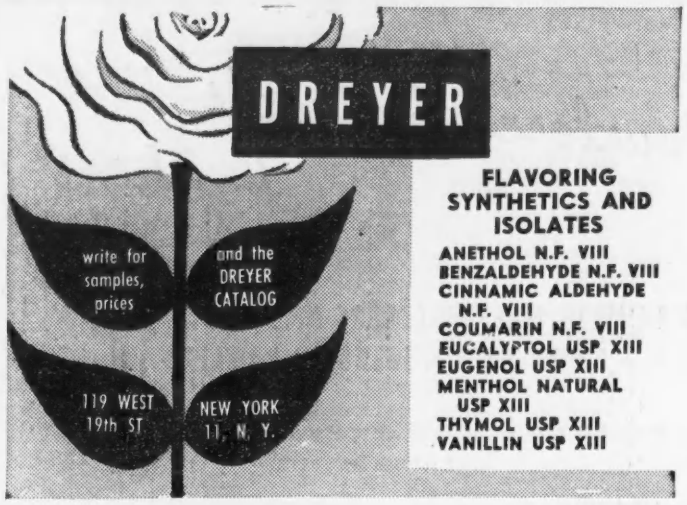

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that prices may not decline as far as some earlier reports would have appeared to forecast. Spot stocks were very small and prices were subject to confirmation.

Roots

Blood—Some advices from the domestic primary market suggested business having been done at prices much higher than recent spot quotations. Not much interest has reached here.

Goldenseal — Spot quotations were higher at $3.25 to $3.50 per pound for whole and $3.75 to $4 for powder. Prices obtained at the origin have risen in some degree, being occasionally 50c. per pound above the low for the past six months.

Mandrake—Spot prices were 40c. to 43c. per pound but a firm order for a quantity, if directed to the right quarter, could be placed at 38c. The news from the country was that inquiry and even demand has increased in ratio to the relatively small quantities reaching the collection depots. Both dealers and consumers have developed greater interest and prices have been pushed up fully 7c. per pound above the level at which primary market dealers would have done business gladly a very short time back. Development of foreign interest has also assisted in changing what had become a rather depressed market.

Senega—The spot market was up to $1.65 to $1.70 per pound and it was felt that declining prices were over for the greater part of this year.

Snake—Canadian root was quoted 45c. to 50c. per pound, a moderate advance from its recent low and resulting from the development of somewhat larger interest on the part of buyers.

Tumeric—Madras root was higher at 16c. to 16½c. per pound. Root obtained from sources nearer home failed of price change. Alleppey was advanced to 32c. to 35c.

Seeds

Anise—Star anise jumped sharply to 24c. to 25c. per pound and its holders showed great reserve. Czech seed was fractionally advanced to 13½c. to 14c. and Mexican was up a similar fraction to 15½c. to 16c.

Caraway—Activity was much improved and the market rose to 16½c. to 17c. per pound under a call that cut stocks considerably on spot.

Cardamom — Like most items of Far Eastern origin, Indian cardamom advanced 20c. last week. Bold, bleached cardamom were up to $3.50 to $3.55 per pound and mediums were $3.30 to $3.35. Ceylon decorticated remained $3.40, nominal. Ceylon green cardamom rose sharply to $2.40 to $2.45. Alleppey green reached the same level. Guatemalan decorticated fetched $3.45 to $3.50. The market in all its aspects was very tight.

Celery—France sold to this country at 32½c. per pound last week and the spot market reached 38c. to 38½c. per pound. Indian seed rose a fraction to 26½c. to 27c. Informed spot quarters attributed the sharp rise in interest in French seed to trace to India's failure to offer normal quantities since the crop estimate was set at not more than 50 tons.

Coriander—When Moroccan seed was raised to 16½c. to 17c. per pound in the sharpest rise for many months, Argentine seed followed the upward movement and reached 12c. to 13c.

Cumin—Iranian and Syrian seed were advanced to 16½c. to 16¾c. per pound; only Moroccan seed remained unchanged but it was firmer.

Poppy—Holland raised prices sharply and the spot market on Dutch seed rose to 20c. to 21c. per pound. Czech seed was sympathetically higher at 17c. to 18c. Polish seed was 16c., nominal.

Spices

Cassias—All were strong and higher. Honan, Yunnan, scraped, 18c. to 18½c.; broken, 17½c. to 18c.; unscraped, 17½c. to 18c.; broken, 17c. to 17½c. All medium Saigon was higher at 45c. to 46c. per pound and probable 47c. would have to be paid for desirable quality. Broken spice was 34c. to 35c., also an advance.

Cinnamon—Price depression was succeeded by a yeasty rise in replacement costs that brought spot quotations up sharply to 24c. to 25c per pound.

Clove—Futures were strong and relatively high. Spot quotations on Madagascar spice became 26c. to 26½c. per pound; Zanzibars, 27c. to 27½c.

Ginger—Much stronger everywhere and advancing sharply in Jamaica, the markets last week became as follows on spot:—African, 42c. to 45c. per pound; Jamaica, No. 1, 59c. to 60c.; No 2, 56c. to 59c.; No. 3, 53c. to 54c.; Nigerian, split root, 32c. to 34c.

Ntumegs—This item also was advanced everywhere. East Indian broken limed nutmegs rose to 50c. to 50½c. per pound; whole shrivels and 110's, also 50c. to 50½c.; West Indian, 47c. to 48c. This extended the recent steady rise in prices.

Pepper—As high as $1.90 per pound was paid for spot black pepper last week. An excited, fluctuating, and highly dangerous market ruled throughout the period. It was a week in which the chance for disastrous loss ran a tie with the opportunity for some profit. The prices worked last week constituted new high for the year thus far.

Reasons for the wild-acting market were a dime a dozen — and, in the opinion of sound merchants, not worth more than that. Still, it seemed that India's exportable surplus was no threat to the market. The Indonesian position was more mysterious and uncertain except that prompt shipments are so hard to get as to suggest that pepper was not freely available there.

Prices on Friday were as follows:—Black pepper, spot, $1.90 to $1.95 shipment, $1.75 to $1.80. White pepper, to come forward, $2.60 to $2.65.

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Essential Oils, Other Aromatics

A hectic week in essential oils came to a close with the market strong, agitated, and straining toward higher price levels at home and abroad. The Korean fighting seemed to have ignited the markets at least to the extent of bringing a total withdrawal of all offerings of anise and cassia from China and, oddly, abies siberica from Russia, a development promptly reflected on spot. The unsettlement and upset of conditions was communicated to other materials and the result on spot was an advance in the prices quoted on tine oils, in contrast with but four reductions. The market index rose 1.41 point to 136.1.

Lemon oil of domestic and foreign manufacture, plus geranium oil from Algeria, were market features of prime importance. Large consumption of lemons as fruit strengthened oil everywhere. As to geranium oil, small offerings at high cost forced local prices higher when demand pressed.

Higher prices on eucalyptus oil came with a rise in shipment prices in Australia and a similar rise in the Belgian Congo. Portuguese prices were definitely firm. On spot, the dealer recently quoting lowest on Ceylon citronella advanced prices fully 18c. per pound.

Lavandin was reported growing in scarcity. Replacement of coriander oil stocks became highly uncertain and some prices rose substantially. Clove was forced to higher spot levels by the almost sensational advances in raw material, especially at the origins. Bourbon vetiver was raised once more.

In domestic oils, peppermint continued to show at least potential weakness but redistilled material was definitely down. Natural sassafras was hard to get but prices were not changed. Lemon, of course, was higher and some found Florida orange bringing slightly more money. Wormseed was slightly unsettled.

Market Trends

Prices Advanced

Abies siberica oil, 30c. per lb.
Anise oil, 15c. per lb.
Benzylidinacetone, 10c. per lb.
Cassia oil, 25c. per lb.
Citronella oil, Ceylon, 3c. per lb.
Clove oil, 15c. per lb.
Dillseed oil, 35c. per lb.
Eugenol, USP, 35c. per lb.
Geranium oil, Algerian, 75c. per lb.
Juniper oil, NF, 50c. per lb.
Lemon oil, Californian, 10c. per lb.
Messina, 10c. per lb.
Vetiver oil, Bourbon, 25c. per lb.

Prices Reduced

Almond oil, natural, NF, 50c. per lb.
Patchouli oil, $2 per lb.
Peppermint oil, redistilled, 5c. per lb.
Rue oil, 25c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
136.5	135.1	129.5	102.8	102.5

(*For Current Prices see Page* 9)

Essential Oils

Abies Siberica—The recent seller at the minimum spot price at $2.35 per pound suddenly revised his views last week and raised quotations to $2.85 per pound. The lowest quote was $2.65. The range was to $3.25, according to seller. The disappearance of most local competition and the uncertainty of regular replacement of stocks in ration to sales appeared to be behind the marked price improvement.

Almond—Natural oil of NF quality was sharply lower at $3 per pound as a minimum, though upwards of $3.65 was asked in some quarters. The supply position in one quarter has improved considerably in terms of both quantity in hand and the cost thereof. Demand did not press very actively. Sweet oil was very steady.

Anise—A revival of the disposition to get higher prices was noted on spot last week. The market was actually 15c. higher at $1.15 to $1.35 per pound, the range prevailing according to seller. But some quarters actually advanced asking prices as much as 15c. per pound. The whole situation tied in with the Far Eastern position, particularly with the troubled conditions at the Chinese shipment ports and the unquestioned danger of shipments stopping almost any time if the military situation continues to grow worse. One shipper was reported trying to buy back a recently signed contract.

Apricot Kernel—Some sellers were disposed to ask slightly higher prices, among them being actual producers. Such directions declared that at its very lowest oil should not be below 45c. per pound. However, one spot quarter continued to name 42½c. The range, according to seller and quantity, reached as high as 58c.

Bergamot—Basically, the markets appeared firm to strong at home and abroad. Reports from Italy have not included a downward trend or even tendency on spot. Those current on spot have suggested ever growing firmness of strength in local circles, evidence of which has been the price advances recently made in some quarters. Only one quarter appeared to be the least unsettled in price views, and whereas most dealers wanted $4.40 to $4.75 per pound, depending on supplier and brand, the single quarter mentioned suggested that the market was $4.25. Later $4.25 was revised upward to $4.50.

Cananga—Prices eased no further nor were most dealers disposed to expect further downward revision in the foreseeable future. A steady demand gave considerable support to local prices.

Cardamom—The recent price decline was rather hard to align with the most recent price developments in raw material; the latter was raised substantially within the past fortnight. However, oil was still priced at $46 to $63 per pound.

Cassia—Most dealers continued to raise prices and a few made $2.75 their lowest quotation, pointing to the Far Eastern uncertainties as the reason for revaluing prices upward. One reported sales at $3.10. Minimum quotations were $2.75 per pound last week and as high as $3.10. No offers came from the origin.

Cedarleaf — Differences between individual sellers' price views were narrow. Quotations were, mainly, $1.90, or $1.95, or $2 per pound but dealers quoting at any of the three levels refused to shade even under competitive conditions. The market was not especially active but it certainly was on the firm side.

Citronella — The dealer who quoted $1.07 per pound on Ceylon oil during the previous week raised quotations last week to a minimum of $1.25. Therefore, the market moved higher automatically and ranged $1.10 to $1.50 per pound. Actually, most dealers made no change in quotations. Java type oil was unchanged at $1.60 to $2.10 per pound. World supply appeared ample for more than most requirements satisfied during the first six months of 1950.

Clove — Spice quoted to arrive later from Madagascar or Zanzibar was far higher than spot deliveries could be bought last week. Oil was up to 81.80 to $1.85 per pound, and dealers had no inclination to compete on the basis of price shading.

Dillseed — This strictly imported oil was lower at $6.25 to $7.75 per pound last week when it could be obtained at all. Few dealers import any from India, the prime origin. Oil could be distilled in this country but usually at a cost higher than goods may be purchased for in the Far East.

Dillweed—A new crop is coming along very well in the domestic growing area and the crop condition at present suggests that Fall requirements will be supplied in normal quantities unless a change in favorable aspects prevailing now shall develop. Spot quotations were quiet at $5 to $6 per pound. However, the majority of suppliers would not go lower than between $5.25 and $5.70 in setting their minimum quotation.

Geranium—Algerian oil when priced at its minimum level last week was not under $18 per pound. The range was to $20 and all suppliers reported small stocks in strong position here and at the origin. Bourbon remained in similar situation at $20 to $24.

Ginger—How long the market will stay at $21 to $23.50 per pound, depending on dealer, was a question best answered by "Not long, if the present price tendency in raw material shall continue." Ginger root prices have expanded in a strong market of late.

Lemon—Prices on California oil underwent a second advance. The most heavily produced brand became minimum at $3.75 per pound, a 25c. rise from the previous minimum. Other brands reflected the strength by rising to $3.25 at least. At $3.75 per pound, six-month contracts were being written, though spot sales were limited to 500 pounds, and not more than 2,000 pounds on contract could be engaged. Packing was in 25-pound cans or 385-pound drums. Messina oil was raised to $3.10 for 3 percent citral material, but the top testing brands were held as high as

For Late Market Developments, See Page 4

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Lemongrass—A steadier quality appeared in the local market so far as prices were concerned; at least, they held unchanged last week. Stocks were ample for all probable requirements of the immediate future.

Lime—Demand of a seasonal sort did not find stocks in excess of reasonable totals during the past week. Prices were declared to be free from shading of any sort on any variety.

Nutmeg—Raw material prices have been strong for some time and nutmegs quoted for import have been higher than those actually spot. Oil prices have displayed substantial stability and the USP quality of merchandise ranged $3.10 to $3.75 per pound, depending whether East Indian or West Indian nutmegs were distilled and, also, if the distillation had been made from wormy nutmegs released by the Food and Drug Administration for distillation purposes only.

Orange—Seasonable demand has accompanied some firming of prices. All varieties and qualities of oil were well maintained in price at levels so low as to curb any tendency to shade. Californian oil ranged 60c. to $1 per pound; Floridian, 40c. to $1; Brazilian, 95c. to $1.25; and Messina, $2.90 to $5.50. With domestic oil at such low prices, imported goods had difficulty in finding a market.

Patchouli—One dealer dropped quotations to $20 per pound, but the top of the range still was $24, a price described as strong and actually done. The replacement availability of good quality oil has not improved in any substantial degree.

Peppermint—The crop is working toward the time when distillation will begin—around August 1. Some reports from Indiana and Michigan have been adverse, wet weather and high winds being crippling influences. Most reports from the Pacific Northwest have been more favorable than otherwise. In the main, and unless some not completely unforeseen development shall take place, a good crop would appear to be a better than reasonable prospect. Redistilled oil was lower at $6.45 to $7.65 per pound.

Rose—A British source of information reports that said official price is £393 per kilo, f.o.b. Bulgarian airport. The Bulgarian Legation in London was authority for the officiality of the quoting. Locally, the market ranged $24 per ounce for some qualities to as high as $56 for others.

Rue—Most sellers reported unchanged prices. One cut previous levels sharply to establish a minimum market at $2.75. The range was to $3.

Sage—As the time for new distillation approaches for the Dalmatian article, dealers here, in the belief that prices will be lower at the origin this year, show a disposition to move as much of their current stock as is possible; most of it showed a cost in 1949 higher than they expect must be paid in 1950. Not much remains unsold, however.

Spearmint—Prices have retained a reasonable steady price position at a time when, ordinarily, the market would be working lower in anticipation of new crop offerings. To this time, however, nothing has suggested an increase in production and a lowering of new crop prices as oil comes to the market.

Vetiver.—Bourbon oil higher at $13 to $15.25 per pound because of replacement uncertainty

Wormseed—Prices were believed to be

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about as low as they will go; the market was $4 to $4.50 per pound. Much of the future of price trend will depend on how high the ascaridol content runs this year, as well as the total produced in Carrol County, Maryland.

Aromatic Chemicals

Anethol—Demand did little more than simmer; it covered immediate requirements of a not large number of buyers who found deliveries on a fairly prompt basis. Prices were steady.

Anisic Aldehyde—Some expect a revival of at least a part of the substantial requirements that featured demand a year ago and caused sharp and steady advances in prices asked by dealers. At the moment, request was of routine sort only.

Benzylidinacetone—The market was up moderately on sales that took place steadily on the basis of $1.80 per pound. As high as $2.45 per pound was named in some resale quarters.

Carvol—A tendency to become firmer reflected the advance in raw material prices quoted from foreign parts during the past two weeks. However, $8.75 to $9 was still being done.

Citral—Stocks were in excellent supply, a reflection of the fact that producers hold good sized stocks of raw material bought at declining prices in the not distant past.

Eugenol—Those who recently undercut prices sharply brought values forward to the basis of $2.50 per pound. The range, according to supplier and quantity, was to $2.95. The whole development reflected the strength of raw material and its cost.

Trade Briefs

Philip Cortney, president of Coty, Inc., has been named a member of the steering committee of the Bureau of Education on Fair Trade.

Bernard Zerbe, managing editor of *American Druggist* for the past eight years, will become vice-president of Murray Breese Associates, New York advertising agency, on August 1.

Nooter Corporation, 1400 South Second street, St. Louis 4, Mo., has designed a new flange and coupling selector which is available from the company to all engineering personnel.

Paint and Varnish Plant Workers April Pay Listed

Average earnings of plant workers in the paint and varnish industry exceeded $1.40 an hour in April in half of the twelve important areas of manufacture, according to a study released July 18 by the bureau of labor statistics of the Department of Labor on a city basis, the levels of hourly earnings ranged from $1.21 per hour in Louisville, Ky., to $1.63 in San Francisco. Boston and Pittsburgh were the only other cities where plant workers averaged less than $1.30.

Straight-time average hour earnings for plant workers in paint and varnishing manufacturing in selected areas during April were reported by the bureau as follows:—

Boston	$1.28
Chicago	1.41
Cleveland	1.41
Detroit	1.48
Los Angeles	1.34
Louisville	1.21
Newark-Jersey City	1.44
New York	1.33
Philadelphia	1.41
Pittsburgh	1.27
St. Louis	1.30
San Francisco	1.63

Socony-Vacuum Research Posts to Payne, Caldwell

Socony-Vacuum Oil Company, New York, has appointed John W. Payne and H. P. Caldwell technical director of the development division and supervisor of the refining section, respectively, of the research and development laboratories. Mr. Payne has been associated with the company since 1931. Mr. Caldwell joined General Petroleum Corporation, a Socony-Vacuum affiliate, in 1934, and has been at the concern's Paulsboro, N. J., laboratories since 1936.

Buddington to Leave Geology Chair at Princeton University

Dr. Arthur F. Buddington, chairman of the department of geology at Princeton University for the last fourteen years, will relinquish his administrative duties next year to devote more time to research. He will be succeeded by Dr. Harry H. Hess, former instructor at Rutgers University, now on leave from Princeton as an exchange professor at the University of Cape Town, South Africa.

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Protective Coatings Materials

Strengthening in many quarters of the protective coatings market during the past week advanced the index figure 0.9 point to a new mark of 176.4. Stronger prices were noted in domestic and imported casein, chlorinated paraffin, diethyleneglycol diethylether, ethyleneglycol diethylether, all grades of shellac, chemically isolated and mechanically refined soybean protein, and lead-free and leaded zinc oxides.

Lead pigments were quiet, following two advances in price during the previous week. These advances, however, served to boost the price of the leaded zinc oxides. The lead-free grades went up although there was no recent advance in the zinc metal. War in the Far East was responsible for a stronger tone in shellac, as buyers continued to wonder about their future source of supply and what prices might be as time went on.

The strength in both domestic and imported casein was due largely to the drying up of offers from Europe and the fact that inventories had been allowed to drop to a low point in this country. Until recently, several European sources had offered large amounts of material at attractive prices, but suddenly they withdrew from the market, stating that they were out of stocks. This threw the weight of demand on domestic and Argentine goods. The domestic supply was in reasonably good shape but the Argentine was short because that country was now in the off season and there were little stocks carried over as a result of the dairy strike and the drought in Argentina a few months back.

Rising warehouse and handling costs were said to be responsible for the higher prices of chlorinated paraffin. Higher prices for beans pushed up the price of soybean protein.

Prime Pigments

Green, Chrome—Production of the C.P. during the year 1949 amounted to 10,255,000 pounds, according to figures recently released on the output of the last five years by the Bureau of Census. Figures for the other years were:—1948, 12,672,000 pounds; 1947, 13,982,000 pounds; 1946, 17,871,000 pounds; 1945, 9,068,000 pounds.

Lead Pigments—Following two advances in price during the previous week, the metal was in a quiet position during the past period, and as a result there were no changes noted in the listings of the pigments. The strength in the market was noted in the previous week because the war in the Far East had brought with it fears of lessened imports.

Yellow and Orange, Chrome—Output of the C.P. last year amounted to 36,322,000 pounds, the lowest production during the past five years. Output for the other years was:—1948, 49,481,000 pounds; 1947, 46,470,000 pounds; 1946, 43,122,000 pounds and 1945, 44,080,000 pounds. These figures are from the Bureau of Census.

Yellow, Zinc—Output of the C.P. was at a peak of 12,326,000 short tons during 1945, but fell off sharply thereafter, although it began a steady comeback. During 1946, production was down to 2,296,000 short tons. The next year it climbed to 3,476,000 short tons and in 1948 it was up to 4,752,000 short tons. Last year the output amounted to 5,252,000 short tons.

Zinc Pigments—Two advances were noted in 35 percent and 50 percent leaded zinc oxide during the week. The 35 percent went up ¼c. and then ½c. The 50 percent went up twice by ⅜c. Lead-free and 5 percent leaded grades went up once by ¾c. These changes brought about the following new schedules:—Domestic acicular, 14¾c. in carloads and 15¾c. in less than carloads; American process, lead-free, 14¾c. in carloads and 15¾c. in less than carloads; 5 percent leaded, 14¾c. in carloads and 15¾c. in less than carloads; 35 percent leaded, 14¼c. in carloads and 15¼c. in less than carloads; 50 percent leaded, 14c. in carloads and 15c. in less than carloads; French process, lead-free, 17c. in carloads and 18c. in less than carloads; green seal, 16½c. in carloads and 17½c. in less than carloads; red seal, 16c. in carloads and 17c. in less than carloads; white seal, 17c. in carloads and 18c. in less than carloads.

Natural Resins

Shellac—Advances were noted in bleached bonedry and refined during the past week. Both grades went up 1c. This made the schedule:—Bleached, bonedry, bags, 47½c.; barrels, 48c. and kegs, 50c.; refined, bags, 57½c.; barrels, 58c. and kegs, 60c. The other grades lemon No. 1, No. 2, superfine and TN went up 2c. per pound.

Synthetic Resins

Phenolic resins and polystyrene were advanced in price during the past week. One phenolics producer put the price up 1c. a pound and others were studying the matter. Polystyrene was up 1½c. with two producers while another was studying the situation.

Lacquer Materials

Diethyleneglycol Diethylether—A 3c. per pound rise in price was noted for this material during the period under review. This made the price 46½c. in carloads and 47c. in less than carloads.

Ethyleneglycol Diethylether—An advance in price of 5c. a pound was noted for this product during the past week. This brought the price in drums, less carload, up to 55c.

Phthalates—The market continued in an unsettled condition last week, following recent fluctuations in price and in shipping differentials. The latest available information on price, as of press time Friday, is to be found in this issue's prices current section.

Miscellaneous Materials

Casein—Domestic standard rose 1c. a pound last week to become 25½c. to 26½c. Domestic premium stayed at 25½c. on the low side of the range but was up to 29½c. on the high side. The low price, which was listed by one supplier during the previous week was unchanged as that supplier stood pat, although in another direction the lowest price available was 27½c. Argentine material was up 2c. on the low of the range to become 26c. to 26½c.

The market was very strong and further increases on short notice would not be surprising. Domestic supply was tightening up but generally there was enough for regular customers. One supplier stated that it had not been offering to other than regular customers since the recent abrupt change in the relationship between supply and demand. The weight of demand now was falling on American and Argentine goods. Earlier, there had been reports that Europe had large amounts available at low prices, but these offers dried up rapidly. Inventories had also been at a low point and with less material than had been anticipated available from Europe, buyers found their stocks were low and had to be covered in this or the Argentine market.

In Argentina, it was said that producers were holding back expecting that prices would go even higher. They did not have any considerable stocks on hand, however, since they were now in their slow production season. The carry-over from the past producing season was negligible because of the drought and the dairy strike that affected practically the entire industry. Holland, France, Germany and Denmark, the principal European countries that had only a short time ago offered their material at low prices, were

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Casein, domestic, premium, 1c. per lb.
imported, 2c. per lb.
Chlorinated paraffin, ¼c. per lb.
Diethyleneglycol diethylether, 3c. per lb.
Rosin, gum, Savannah, G, 54c. per 100 lbs.
New York, I, 60c. per 100 lbs.
Ethyleneglycol diethylether, 5c. per lb.
Shellac, bleached, bonedry, 1c. per lb.
refined, 1c. per lb.
Lemon, No. 1, No. 2, superfine, TN, 2c. per lb.
Soybean protein, chemically isolated, 1½c. per lb.
mechanically refined, ¼c. per lb.
Turpentine, gum, New York, l.c.l., 2c. per gal.
Zinc oxide, lead free, ¾c. per lb.
5% leaded, ¾c. per lb.
35% leaded, ¾c. per lb.
50% leaded, ¾c. per lb.

Prices Reduced

Rosin, gum, Savannah, H, I, K, M, N, WG, 21c. per 100 lbs.
WW, X, 17c. per 100 lbs.
Turpentine, gum, Savannah, ¼c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
176.4	175.5	175.5	196.4	205.4

(*For Current Prices see Page 9*)

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said to be just about out of the picture as far as stocks were concerned.

Chlorinated Paraffin—An increase of ¼c. per pound was noted for this material during the period under review. This made the new schedule 12½c. in carload lots and 13¼c. in less than carload lots. Rising warehouse and handling costs were said to have made it necessary to raise the listings.

Soybean Protein—Advances in both the chemically isolated and mechanically refined were announced during the past week. The former was up 1½c. across the board and the latter ¼c. The increases were said to result from higher prices for beans, which has resulted in marked increases in the cost of meal and flakes, the raw materials. The new schedules became: — chemically isolated, 40,000 pounds, .2150c.; 20,000 pounds, .2175c. and smaller lots. .22c. to .2550c.; mechanically refined, 40,000 pounds, .0600c.; 20,000 pounds, .0615c. and smaller lots, .0630c.

Synthetic Adhesives — Total consumption of casein, soybean, phenolic resin and other types of adhesives in the softwood plywood industry during the month of May amounted to 8,747,000 pounds, as compared to 7,928,000 pounds during the previous month. During May a year ago the total was 6,320,000 pounds. The casein consumption during May amounted to an estimated 519,000 pounds, as compared to an estimated 433,000 pounds during the previous month. The consumption in May a year ago was 426,000 pounds. Soybean consumption during May of this year was 4,025,000 pounds. During April it was 3,727,000 pounds. A year ago in May the figure was 2,709,000 pounds. Phenolic resin consumption during May of this year was 3,541,000 pounds, while during the previous month it was 3,269,000 pounds. During May a year ago the total was 2,793,000 pounds. Figures for other types show a consumption of 662,000 pounds in May of this year as compared to 499,000 pounds in the previous month. A year ago during May the total was 392,000 pounds.

Total stocks of the various types at the end of May this year amounted to 6,712,000 pounds as compared to 4,701,000 pounds at the end of April. At the end of May a year ago the figure stood at 4,298,000 pounds. Casein adhesives stocks at the end of May were estimated at 316,000 against an estimated 309,000 at the end of April. At the end of May a year ago the figure was 355,000 pounds. Soybean type at the end of May this year totaled 4,003,000 pounds while at the close of the previous month it was 1,590,000 pounds. At the end of May a year ago the figure was 1,708,000 pounds. Phenolic resin stocks at the end of May were 1,911,000 pounds while at the close of the previous month they totaled 2,345,000 pounds. At the close of May last year the stocks amounted to 1,683,000

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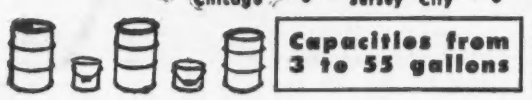

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pounds. The total for other types on hand at the close of May was 482,000 pounds. At the end of the previous month the figure stood at 457,000 pounds. A year ago at the end of May the figure was 552,000 pounds.

Naval Stores

Pine Gum—Prices received by producers of crude pine gum delivered to processing plants during the week ended July 15 averaged $18.71 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with $17.88 for the previous week.

The 22 reporting plants received 29,312 barrels of gum or an average of 1,332 barrels per plant, compared with 1,313 barrels for these same plants a week earlier. The contents per barrel averaged 11.56 gallons of turpentine and 299.1 pounds of rosin. The gum was graded 56 percent WW, 16 percent WG, 11 percent N, 10 percent M, and 7 percent K and below.

The record of the gum naval stores markets during the week ended July 21 was as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday
B	$4.10	$4.10	$4.10	$4.10	$4.10	$5.25 $6.95
D	4.25	4.25	4.25	4.25	4.25	6.25 6.95
E	4.75	4.75	4.75	4.75	4.75	6.20 6.95
F	5.07	5.07	5.07	5.07	5.07	6.80 7.55
G	5.82	5.82	5.76	5.71	5.61	6.80 7.55
H	5.82	5.82	5.76	5.71	5.61	6.80 7.55
I	5.82	5.82	5.76	5.71	5.61	6.80 7.55
K	5.82	5.82	5.76	5.71	5.61	6.80 7.55
M	5.82	5.82	5.76	5.71	5.61	6.80 7.55
N	5.82	5.82	5.76	5.71	5.61	6.80 7.55
WG	5.91	5.91	5.76	5.76	5.61	6.90 7.65
WW	5.91	5.91	5.76	5.76	5.65	7.00 7.75
X	5.91	5.91	5.76	5.76	5.65	7.00 7.75
	Drums					
Sales	200		287	100	85	
Receipts	950	2,259	993	294	269	
Shipments		4,597				
Stocks	37,372	35,034	36,027	36,321	36,590	

Gum Turpentine

	Savannah Exchange Bulk Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ref. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday
Per gal.	.41¾	.41¾	.42¼	.42	.41½	.50 .60
Sales, bbls.	...	...	8,000	320	160	
Receipts, bbls.	917	320	373	517	130	
Shipments, bbls.	174	...	150	314	451	
Stocks, bbls.	16,962	17,282	17,305	17,708	17,387	

Kanatzer Retires from Chase Bag

H. H. Kanatzer, sr., who has been employed by Chase Bag Company since 1910, has retired on his fortieth anniversary with the company. He worked at nearly every office position including the job of sales manager in the Chase Kansas City branch before expanding his sales activities to several midwestern states. At his retirement, Mr. Kanatzer was in charge of the Hutchinson, Kan., sales branch and will continue to make Hutchinson his home.

Finetex Offers Spray Powder

Finetex, Inc., Pompton Plains, N. J., is offering a new spray powder on the market. Called "Sprayset No. 810," the material is sold in fine and superfine grades, and is quoted at 34 cents in 300-pound containers and 36 cents per pound in smaller containers. Both prices are f.o.b. works.

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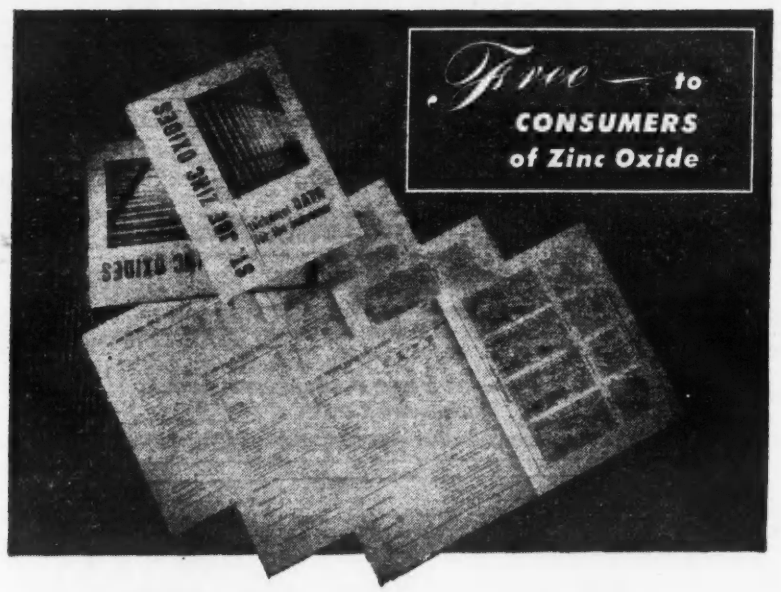

CONTENTS
- A Short History of the St. Joseph Lead Company
- The Production of St. Joe Zinc Oxides
- General Properties of Zinc Oxide
- Zinc Oxide in Rubber Compounds
- St. Joe Rubber Grade Zinc Oxides
- Zinc Oxide in Protective Coatings
- St. Joe Paint Grade Zinc Oxides
- Zinc Oxide in the Chemical, Pharmaceutical and Other Industries
- Zinc Oxide in the Ceramic Industries
- St. Joe Ceramic Grade Zinc Oxides

AS the table of contents indicates, this 55 page, illustrated book is a comprehensive manual on zinc oxides in general, and on ST. JOE Lead-Free ZINC OXIDES in particular. In preparing the book, we have included only that material which we considered to be of maximum interest and value to technologists in the consuming industries.
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WHITE OLEINE
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Oils, Fats and Waxes

Prices of oils and fats continued upward last week, the largest gains taking place in animal fats as a result of the sharp advance in tallow and greases. This strength was reflected in grease, oleo, tallow and red oils, stearic acid and tallow fatty acids, advancing the index 5.7 points.

Tallow and greases were lifted 1½ cents per pound and were closer to the export trading basis. Domestic buyers absorbed sizeable quantities of special tallow and greases at the higher levels. The better grades of tallow were scarce and sold ahead. Exporters continued to pay premiums of at least 1 cent per pound for these grades.

Domestic and export demand for most oils was more active and processors have started to allocate materials.

Edible vegetable oils were firmer and fractionally higher and in active request. Vegetable fatty acids were again lifted fractionally.

Drying oils also were in improved demand. Dehydrated castor oil and tung oils were advanced fractionally and refined and crude fish oils were sharply boosted. Linseed oil was without change, but steady for prompt delivery.

Edible olive oil continued in good request and was advanced 25 cents per gallon. Olive foots also were increased fractionally.

Cottonseed Oil

Trading continued active in bleachable cottonseed oil futures last week. Market was nervous reflecting the Korean war news and the President's message. Price fluctuations covered a wide range, scoring moderate gains during the week. Trading was mixed and mainly professional, closely following soybeans and allied markets. Refiners continued to purchase September against sales of deferred positions.

Crude cottonseed oil scarce and firm. Light trading was reported at 15¼c. per pound, tankcars, f.o.b. Texas for July-August shipments and 15½c. in the Valley.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended July 21 follow:—

	Sales	Cents per pound High	Low	Close
September	1,198	18.40	16.50	18.16—18.15S
October	313	18.03	16.55	17.75—17.65S
December	1,051	17.90	16.50	17.65—17.62S
March	399	17.99	16.57	17.70—17.62S
May	650	18.05	16.55	17.71—17.67S
July	9	17.90	17.36	17.65@17.80

Total sales, 3,618 tankcars, including switches.

Memphis.—Crude cottonseed oil 15¼c. and crude soybean oil at 13c. per pound, tankcars, f.o.b. Valley mills. Cottonseed meal, 41 percent $77 per ton, sacked, August, Memphis. Cottonseed hulls, $13.50 per ton bulk and $18.50, sacked, Memphis. Cotton crop progressing favorably, though considerable weevil damage expected.

Linseed Oil

Consuming inquiry was more active, though business was moderate, confined to prompt requirements. Market was steady and unchanged. Raw oil was quoted at 17.50c. to 17.70c. per pound, tankcars, July-August delivery, and new crop oil at 15.80c. per pound, September and 15.30c., October, zone 3.

Minneapolis.—Only small amounts of linseed oil were booked by paint manufacturers and other consumers last week. Old-crop linseed oil was steady at 16.7c. per pound, raw basis, in tankcars, in zone 1. Warehouse prices also held at 16.9c. per pound. New-crop oil for September delivery was unchanged at 15.2c. a pound, and October delivery at 14.7c. a pound.

Shipments of linseed oil from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	11,640,000	11,040,000
Since Sept. 1	382,280,000	335,078,000

Flaxseed—Market remained steady. Trading moderate.

Minneapolis.—A total of 202 cars of flaxseed was received at the Minneapolis market during the past week, the majority went to CCC and the balance was picked up by crushers. Old-crop flax was quoted steady at $3.65 to $3.85, but buyers paid $3.80 to $3.85 for most of their supplies. New crop flax to arrive in August was quoted at $3.50. Late in the week, some July arrival flax was priced at $3.50 and $3.40 for September.

Receipts and shipments of flaxseed last week, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	343,400	107,100	34,000	28,900
Since Sept. 1	21,453,300	32,725,100	4,754,000	6,319,000

Market Trends

Prices Advanced

Beeswax, crude, Afr., 2c. per lb.
Carnauba wax, 2c. per lb.
Castor oil, dehyd., ½c. per lb.
No. 3, ½c. per lb.
Corn oil, ½c. per lb.
Cottonseed oil fatty acid, ½c. per lb.
oil, ½c. per lb.
Fish oil, refined, 1½c. per lb.
Greases, 1½c. per lb.
oil, 1c. to 1¾c. per lb.
Linseed meal, $4.50 per ton.
Menhaden, crude oil, ½c. per lb.
Oleo oil, 1c. per lb.
Olive oil, commercial, 15c. per gal.
edible, 25c. per gal.
foots, ½c. per lb.
Palm oil, ¾c. per lb.
Peanut oil, 1c. per lb.
Red oil, 1c. per lb.
Sardine, crude oil, 1c. per lb.
Soybean fatty acid, ½c. per lb.
Soybean oil, ¼c. per lb.
Stearic acid, ¾c. per lb.
Tallow, 1½c. per lb.
fatty acid, ½c. per lb.
oil, 1½c. per lb.
Tung oil, ¼c. per lb.

Prices Reduced

Copra, $10 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 22, 1949
130.5	124.8	116.9	111.3	114.3

(*For Current Prices see Page 9*)

Other Vegetable Oils

Castor Dehydrated—Trading was more active for prompt delivery. Prices were advanced ½c. per pound, for all grades. Dehydrated bodied was increased to 22½c.; unbodied, 21½c. and No. 3, 17½c. per pound, tankcars.

Coconut — This market was steady. Crude oil was quoted at 15c. per pound, tankcars, f.o.b. Pacific coast, July shipment; 14½c., August and 14¼c., September.

Copra—Prices were irregular and unsettled. Prompt shipment was quoted at $192.50 per short ton, c.i.f. Pacific coast and $187.50 late August.

Corn—This market was firmer and demand active. Crude oil was sold at 15¼c. per pound, tankcars, f.o.b. mills. Offerings were scarce. Refined oil was stronger and nominal at 19¼c. per pound, tankcars, New York.

Oiticica—Trading was active and prices firm at the recent advance. Arrivals at New York totaled 215 tons last week.

Olive—Increased demand further advanced quotations. Edible oil was raised to $2.25 to $2.35 per gallon, drums, duty paid on spot. Commercial oil was increased to $1.90 to $2 per gallon, drums and olive foots to 12½c. to 13½c., drums as to quantity. Arrivals of edible oil totaled 3,480 drums at New York from Spain last week.

Peanut—Scarcity of oil and good demand served to strengthen prices. Crude oil was sold up to 18c. per pound, tankcars, f.o.b. mills. The government limited the sale of peanuts to 7 tankcars of oil, last week. Refined oil was scarce and nominal at 21¼c. per pound, tankcars, New York delivery.

Soybean—Sharp fluctuations of soybeans kept oil irregular last week. Crude oil sold up to 13¾c, per pound, tankcars, f.o.b. mills at 13⅝., August and 12¾c. October-December, but later eased off with lower beans to 13¼c. to 13½c. as to position. Refined edible was more or less nominal at 16c. per pound, tankcars, New York.

Trading in crude soybean oil futures was inaugurated on the Chicago Board of Trade July 17. Trading unit is 60,000 pounds (1 tankcar) on contracts for November 1950, January, March and May 1951. Daily price changes are limited to 2c. per pound. Deliveries may be made at Chicago, Decatur, Ill., Indianapolis and Louisville.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended July 21 follow:—

	Sales	Cents per pound High	Low	Close
August	3	12.75	12.75	12.80@13.50
September	76	13.80	12.40	12.80@13.10
October	138	13.00	11.60	12.25—12.50
November	16	12.87	11.80	12.20—12.25
December	51	12.85	11.60	12.00@12.25
January	3	12.60	12.00	11.90@12.25
February	..	....	....	11.80@12.20
March	37	12.70	11.50	12.00@12.20
April	..	....	....	12.00N
May	18	12.50	11.95	12.00@12.25
June	..	....	....	12.00N
July	..	....	....	12.00N

Total sales, 342 tankcars and switches.

Tung—Trading was moderate, but the market continued strong. Tankcars were quoted at 24¾c. per pound, spot New York and futures at 24¼c., same basis. Drums were held at 25¾c. to 26½c per pound, depending upon quantity. Im-

For Late Market Developments, See Page 4

ports totaled 1,011 tons and 1,114 drums at New York from China last week.

Fats and Greases

Greases—Prices were lifted 1½c. per pound for all grades, bringing quotations closer to export levels. Domestic sales were moderate. Choice white was advanced to 7¼c. per pound, loose, delivered; yellow, 5¾c. and house, 5¼c., same basis.

Lard—Market was higher. Cash and loose was in good demand for domestic and export delivery. Cash lard was quoted at 14.25c. per pound, tierces, Chicago.

Tallow—Higher prices were named for domestic delivery, market advancing 1½c. per pound. Business at the higher levels was fair as offerings were limited. Fancy was raised to 7¼c. per pound, loose, delivered; extra, 7c. and special, 6¾c., same basis. Export inquiry continued keen, with sales for export taking place at premiums.

Animal Oils

Active demand for domestic and export delivery further strengthened animal oils last week. Prices were more or less nominal and changed without notice. Grease oils were boosted 1c. to 1¾c. per pound, as to grade. No. 1 was quoted at 11¾c. to 12¼c. per pound, drums, New York, as to quantity; extra winter strained, 13¾c. to 14¼c., and prime burning, 14¾c. to 15¼c., same basis. Extra oleo oil was lifted 1c. to 1½c. to 15½c. to 16c. per pound, tierces. Tallow oil also was higher at 12½c. to 13c. per pound, drums, as to quantity.

Fish Oils

Refined grades were boosted 1½c. per pound. Trading was active. Light pressed oil was quoted at 11½c. and alkali, refined, 12½c. per pound, tankcars, New York delivery. Drum lots commanded the usual markup. Crude sardine oil was firmer with sales reported up to 8c. per pound, tankcars, f.o.b. Pacific coast. Crude menhaden oil also firmer and, with offers scarce, the market nominal at 7½c. per pound, tankcars, Baltimore.

Los Angeles—New crop sardine oil was sold at 7½c. and 8c. per pound, tankcars, f.o.b. Monterey. Prices were the highest since 1948-49 season, as the price last season averaged about 6¼c. It is expected that negotiations between boat owners and the union will again result in a late starting date for fishing operations.

Fatty Acids

Further price advances took place in fatty acids due to the higher cost of basic oils and fats. Cottonseed and soybean fatty acids were raised ½c. per pound. Red oil, 1c. per pound; stearic acid, ¾c. per pound, and tallow fatty acid, ½c. per pound. Coconut oil fatty acid was unchanged. Consuming demand was heavy with sellers limiting offers for all grades.

Cake and Meal

Cottonseed Cake and Meal—Meal market was strong, advancing with other proteins. Forty-one percent sacked meal was quoted at $74.50 to $75.50 per ton basis Memphis, July-August shipment. Most of

—*Continued on page 67*

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SPECIFICATIONS
Distilled Red Oil (Oleic Acid)

	4-6°T.	L.C.P.	D.P.
Titre °C	4°- 6°	8°-10°	18°-20°
Cloud Point °F	38°-42°	46°-49°	63°-71°
Color Lovibond 1" Red	4 - 7	4 - 7	4 - 7
Color Lovibond 1" Yellow	20 -40	20 -40	20 -40
Unsaponifiable %	2.5 max.	2.5 max.	2.0 max.
Saponification Value	196 -199	196 -199	197 -200
Acid Value	195 -198	195 -198	196 -199
% F.F.A. as Oleic Acid	98 -99.5	98 -99.5	98.5 -100.0
Iodine Value	90 -93	88 -90	80 -85

ADVANTAGES
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1—500 gal. PATTERSON HIGH CHROME MANGANESE BALL MILL, 5'x6', jacketed, with drive and motor.
9—DOUBLE DRUM ATMOSPHERIC DRYERS: 28 x 60", 36 x 81" Black & Clawson; 32 x 72", 32 x 90", 32 x 100", 42 x 90", 42 x 100" Buffalo.
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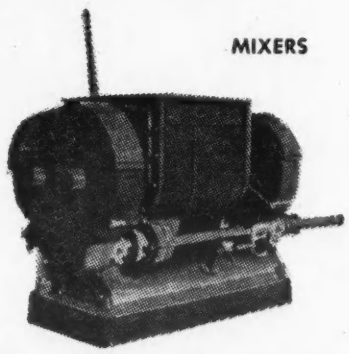

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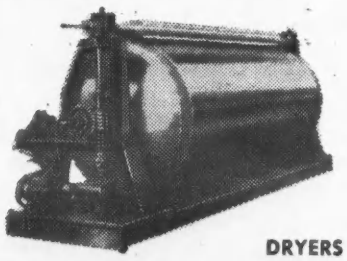

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Coaltar Products Imports

—Continued from page 3

pared with $692,000, or 20 percent of the total value in 1948.

Among the remaining groups of finished products, imports of flavor and perfume materials declined in value to $20,000 in 1949 from $49,000 in 1948, and the miscellaneous group (chiefly synthetic resins from Canada) increased in value in 1949 to $117,000 from $34,000 in 1948.

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3—Monel Tanks, 5' dia. x 4' high, closed, with coils.
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3—Stainless Tanks, T347, 3,450 gal., closed top, coils.
3—Stainless Kettles, T347, 1,000 gal., flat top, agitated, non-jacketed.
20—Stainless Clad Jacketed Kettles, 40 gal. to 150 gal.
1—Sweetland #10 Filter.
1—Alsop Filter, T316 Stainless, SD-8-WR-10.
3—Filter Presses, Wood P&F, 30".
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1—AT&M 48" Suspended Type Imperforate Stainless Steel Basket.
1—Tolhurst 26" Suspended Type Centrifugal, bottom discharge, steel perforated basket.
6—Sweetland Filters, Nos. 12, 10, 7, 2.
3—Sweetland Filters, #2, all stainless.
1—Oliver 3'x2' Rotary Vacuum Filter, stainless steel valve.
1—Swensen 4'x5' Steel Rotary Vacuum Filter.
6—Patterson, Abbe Pebble Mills, 6'x8', 6'x5', 3'x3½', 2'x3'.
3—Mikro Pulverizers, 4TH, 2TH, 1SH.
5—Rotex Sifters, 26"x48", 40"x56", 40"x 120".
2—Tyler Hummer Screens, 4'x5', with controls.
1—Pfaudler 100-gallon, glass-lined, jacketed, agitated Kettle.
5—Baker Perkins Double Arm Steam Jacketed Mixers, 100, 20, 9 and 2 gal.
8—Shriver, Sperry, 36", 32", 24", 18", 12" Cast Iron P&F Filter Presses.
2—Knapp, Burt Can Labelers, up to #10 cans.

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4—French Oil 400-Ton Linseed Presses.
2—Dopp 1,000 gal. Jack. Agit. Kettles, Dopploy Acid Resistant & Iron.
1—Lehman 4 Roll W C, 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24"
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
1—Devine No. 3 Vac. 4 Shelf Dryer.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century 2 HP, 4 speed Vert. Mixer.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 30, & 9 gals.
4—Abbe Pebble Mills, 6'x8', 60"x48".
8—Abbe Jar Mills, Lab. to 6 gal. sizes.
2—Masier drum type Blenders, 1,000#.
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3—Tyler 38 Jr. Hummer Screens, 20"x60"
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6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 3".
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11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
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15—Port Elec. Mixers, ¼-2 HP.
Rotary Cutters Lab. to 40 HP.
8—Hammer Mills & Pulverizers, 3 to 50 HP.
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4—#00 & #0000 Raymond Mills.
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Wanted: Small autoclave 10-50 gal. capacity, with agitator and small separator. Peter Vokrot, R.D. 3, Quakertown, Pa., Tel. Quakertown 1121 J 2.

Wanted: One Proctor & Schwartz soap chip dryer. Fairly new model. Quote price and dimensions. OPD 382.

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Sovaloid "C" Wanted. Manufacturer requires up to 50,000 lbs., preferably in sealed drums. Write at once, furnishing manufacturing date, quantity available, price, etc. OPD 379.

Wanted: Surplus and salvage chemicals, solvents, pigments, oils, varnishes, resins, spray booth sludge and any recoverable material. We are direct users, not dealers, and hence can afford to pay you more. We use ourselves everything we buy. Kemsicote Chemical Company, P. O. Box 349, Rahway, New Jersey.

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Chemical Market Research—Attractive opening for a chemist, preferably with some training in business administration and several years of practical experience in market research, as a market analyst in the research division of a chemical and petroleum company in the southwest. Send complete details of training and experience. OPD 365.

POSITIONS WANTED

Organic Chemist, M.S. University of Pittsburgh, courses toward Ph.D., married, veteran, age 30. Desires position in research or development, with future. OPD 385.

Trade Briefs

International Printing Ink Company has appointed Paul N. Baxter to direct its west coast activities. Ernest A. Green has been named to manage the firm's San Francisco branch.

Davison Advances Sloman

Russell Sloman has been named manager of the fertilizer plant of Davison Chemical Corporation of Baltimore at Perry, Iowa. He succeeds Thomas Hoshall, who resigned to accept a similar position in Omaha. Mr. Sloman formerly was with Davison's fertilizer division at Columbus, Ohio.

Cont'l Can Promotes Three

Continental Can Company, New York, has appointed Frank I. Gill manager of sales in the central division and he has been succeeded as general line sales manager in the central division by Wilson B. Larkin. Norbert M. Potts, formerly district sales manager in Kansas City, has been named Chicago city district sales manager.

Foreign Traders to Meet

The National Foreign Trade Council will hold its thirty-seventh annual convention at the Waldorf-Astoria, New York, on October 30 through November 1. Central theme of the meeting will be "The Foundation of World Economic Development is the Expanding Interchange of Goods and Services."

Bristol-Myers Elects Comptroller

Joseph H. Urban has been appointed comptroller of Bristol-Myers products division, Bristol-Myers Company, according to a recent announcement by Robert B. Brown, vice-president and general manager of the division.

Mr. Urban has been associated with Bristol-Myers in accounting and financial capacities since 1935.

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Oils, Fats and Waxes

—Continued from page 63

the meal moving is from Texas going East since supply in the Mississippi Valley region is practically cleaned up for the season.

Linseed Meal—Prices sharply higher due heavy demand.

Minneapolis.—Good demand for linseed meal, principally due to war-inflation psychology, boosted prices $4.50 per ton during the past week. There was heavy interest in new crop meal but mills were reluctant to make offerings. Extracted linseed meal 36 percent for July-August shipment was quoted at $67 per ton, bulk, in carlots, f.o.b., Minneapolis and expeller meal 34 percent at $69 per ton, bulk.

Shipments of linseed meal from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	20,400,000	14,700,000
Since Sept. 1	719,991,500	589,340,000

Peanut Meal—Last week the government sold peanuts to produce about 350 tons meal in the southeast. Supplies were limited with good demand. Forty-five percent old process was quoted at $83 to $84 per ton, South Georgia and South Alabama mills with limited lots of forty-five percent solvent held at $82 per ton, South Alabama.

Soybean Meal—Most major processors withdrew from the market for several days for July-August-September shipment. Resellers are mostly making the markets. Bulk meal was quoted at $88 to $90 per ton, Decatur, July-August-September shipment. Sales were made on Southeastern meal at $95 to $96 per ton sacked f.o.b. mills July-August shipment. Supplies of meal in the Southeast are very scarce.

Waxes

Consuming inquiry for waxes improved last week. Trading was more active and the tone was firmer. Carnauba wax demand was fairly active. Prices were advanced 2c. per pound, for spot stocks. No. 3 crude was raised to 76c. to 78c. per pound, as to quantity and refined 80c. to 82c. No. 1, yellow also was higher at 98c. to $1 and No. 2, 96c. to 98c. African beeswax was firmer with the increased cost of replacements and was lifted to 46c. to 48c. per pound, on spot. Other grades were unchanged. Refined ouricury was steady at 75c. to 77c. per pound. Trading candelilla and montan was spotty.

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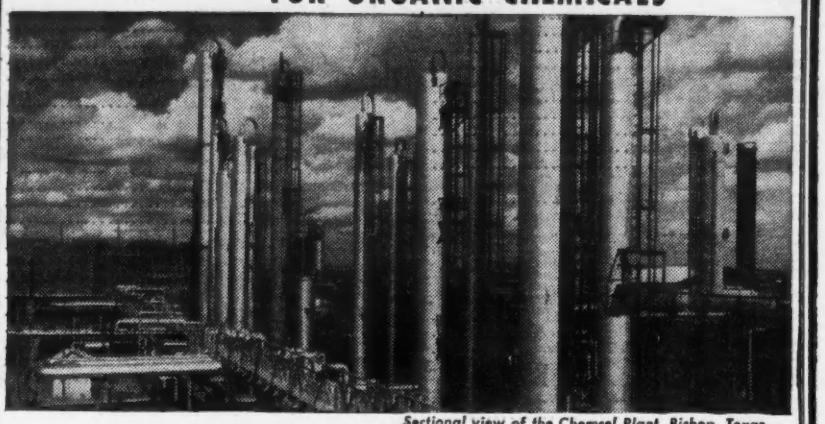

Sectional view of the Chemcel Plant, Bishop, Texas.

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